



# The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3047  
VOL. CXXIX

JULY 2, 1938

Annual Subscription (with  
Diary) 20/- Single Copies 9d.

*How it's selling!*



# SKOL

## SUN LOTION

1/3 2/- 3/6 6/6

**SKOL SUN GLASSES**  
THE SEASON'S TRIUMPH

**Profit by the  
increasing demand  
for SKOL products**



Style A  
Retail 1/6  
12/- per dozen



Style B  
Retail 2/6  
20/- per dozen



Style C  
Retail 2/6  
20/- per dozen

ATTRACTIVE SHOW MATERIAL ON REQUEST

**SKOL PRODUCTS LIMITED**

Manufacturing Chemists,

**Rochester Row, London, S.W.1**  
TELEPHONE VICTORIA 6737



# **Euthymol**

## **TOOTH PASTE**

*For Price and Profit Maintenance*  
*support the tooth paste that has*  
**NO SIXPENNY SIZE**  
*and has been on the P.A.T.A.*  
*for over a quarter of a century*

**M.R.P. — 1s. 3d.**

**M.W.P. — 10s. 2d. per dozen net**

*Send for Terms*



**PARKE, DAVIS & CO., BEAK STREET, LONDON, W.1**





INCREASED ADVERTISING NOW IN FORCE  
SHOW IT—IT SELLS ON SIGHT

# Elasto

REGISTERED

THE WONDER TABLET



**1'3 Profit on every sale**

Recommend Elasto for:  
VARICOSE VEINS, ULCERS, ECZEMA,  
RHEUMATISM, HEART TROUBLES,  
AND ALL LEG TROUBLES, ETC.

Retail 5/- per box (one month's supply).

Wholesale 45/- per doz. P.A.T.A.

**The NEW ERA TREATMENT CO. LTD.**  
CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1



# THE NEW NIVEA SUMMER SHOW!

The advertisement features two large posters. The left poster is for 'NIVEA CREME' and shows a nurse in a white uniform applying cream to a woman's arm, with a child sitting nearby. The text on the poster reads 'NIVEA CREME' and 'USE IT ALWAYS FOR YOUR SKIN AND ESPECIALLY IN THE SUN!'. The right poster is for 'NIVEA SKIN OIL' and shows a man and a woman in athletic wear holding hands. The text on the poster reads 'NIVEA SKIN OIL', 'for Skin fitness', and 'IN BOTTLES 1/3 & 2/-'. In front of the posters are various Nivea products: three boxes of Nivea Creme, three tins of Nivea Creme, three bottles of Nivea Skin Oil, two bottles of Nivea Skin Lotion, and several tubes of Nivea Creme.

*Will be Gladly Sent to  
any Chemist on Request*

**25% Bonus Offer Still in Force!**

BEIERSDORF LTD.,  
WELWYN GARDEN CITY, HERTS.

THOS. CHRISTY & CO., LTD.,  
OLD SWAN LANE, LONDON, E.C.4.





This is a small reproduction of a showcard we recently designed and produced by the Offset Process in seven colours. It is one of many other similar productions which have been very highly commented upon and if you happen to be looking round for a really first-class design suitable for a carton, label or showcard, etc., we should be only too pleased to co-operate with you.

**THOMAS WAIDE & SONS, LTD., THE PRINTERS, KIRKSTALL HILL, LEEDS 5**

# INVEST IN EBE!

Here are three popular sizes of the famous EBE Bath Powders, the 6/6 and 2/6 "Cellophane" jars and the 6d. silver packets. It will pay you handsomely to stock them. Vastly increased press advertising has started throughout the country, together with editorial publicity support from many national magazines and newspapers, and the demand for EBE Bath Powders will be greater than ever.

The unique triple appeal of EBE Bath Powders, with their colour, foam and perfume, has gained thousands of regular customers during the past six months. Good news travels! During the next few months the demand for EBE Bath Powders will become universal, and the wise retailer is stocking up to-day to be ready for the orders of tomorrow. Get in touch with your wholesaler NOW!



## BATH POWDERS

retail at 6d., 2/6, 6/6, 15/6, 25/-, 30/-, 60/-

You are advised to stock immediately the three popular sizes:

**6d. - 2/6 - 6/6**

**EBE PRODUCTS LTD.,**

11 Diana Place, London, N.W.1. Phone: Euston 3271



INCREASED PRESS ADVERTISING AND EDITORIAL HAS NOW COMMENCED. THE FOLLOWING PAPERS WILL BE INCLUDED.

Daily Mail • Daily Express • News Chronicle • Daily Sketch • Daily Mirror  
 Sunday Graphic • Sunday Pictorial • Radio Times • Evening News • Evening Standard  
 Woman & Beauty • Woman's Fair • Weldon's Ladies' Journal • Modern Woman  
 Home Notes • Home Chat • Passing Show, Etc., Etc., Etc.



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## Dr. Page-Barker's Scurf & Dandruff Lotion

The recognised specific for  
**SCURF and DANDRUFF**

Now made in  
**TWO SIZES**

**STANDARD 18/- doz. Retail 2/6**

**FAMILY SIZE 24/- doz. „ 3/6**

**P.A.T.A.**

**Three bottles free with every 3 dozen  
Smart showmatter with all orders**

**A MONEY-BACK GUARANTEE WITH  
EVERY BOTTLE**

**Sells on its reputation to those who know,  
and on its guarantee to those who don't**

**THOS. CHRISTY & CO., LTD.**  
**4-12 Old Swan Lane, London, E.C.**



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# When you tender for **Disinfectants**

to Hospitals, Public Institutions, Local Councils, &c.  
REMEMBER that

**BURT, BOULTON & HAYWOOD LTD.** Managers to  
the **PRINCE REGENT TAR COMPANY, LTD.**

give you special terms for contracts.

Carbolic Disinfecting Fluids containing 3% to 80% Tar Acids.

White Disinfecting Fluids—miscible in salt, fresh or brackish water, Co-efficients 10/12, 18/20, 20/22, 24/26.

Lysol B.P. Quality. Pine Disinfecting Fluids.

Pink Carbolic Disinfecting Powders containing 5% to 20% Tar Acids.

Carbolic Sheep Dips, approved by the Ministry of Agriculture under the Sheep Scab order.

Tar Acids and Rideal Walker Co-efficiency guaranteed.

May be sold by Chemists and Druggists under own name.

Special Disinfectant Fluids approved by the Ministry of Agriculture under the

"Diseases of Animals Acts." May be packed and sold by Chemists under own name.

SAMPLES AND PRICES ON APPLICATION TO

**PRINCE REGENT TAR COMPANY, LTD.**

(Managers: **BURT, BOULTON & HAYWOOD, LTD.**)

**BRETENHAM HOUSE, WELLINGTON STREET, STRAND, LONDON, W.C.2**  
Phone: Temple Bar 5501 (5 lines) Telegrams: "Burboul, Rand, London"



# ROWLAND'S MACASSAR OIL



Regd. Trade Mark

FOR ALL SHADES  
OF HAIR  
IT PROMOTES THE  
GROWTH, GIVES  
LIFE AND LUSTRE  
AND LONG DE-  
LAYS BALDNESS.

**A. ROWLAND & SONS, Ltd.**  
22 Laystall Street, Rosebery Avenue  
London, E.C.1

## To BUYERS of TRUSSES !

The most complete up-to-date facilities for the manu-  
facture of **RUPTURE APPLIANCES** of every known  
English and American pattern are operating at

**BLACK BULL WORKS,  
MARKET ROAD, LONDON, N.7**

**Hard Rubber, Celluloid, Leather and Mole**  
Covered and Elastic Band Trusses, under the

"MASTER"  
BRAND  
TRADE MARK



are sold in all  
Markets of the  
World.

**"KO-RALLIUM."** A new flexible covering  
for Steel Springs. **It is Something Different !**

**PERFUMERY BOTTLE WICKERERS in RAFFIA  
or SILK, plain or fancy, wide range of designs.  
Own bottles wickered at moderate cost.**

### Suspensory Bandages and Jock Straps

We offer distinctive lines of outstanding value. Our  
weaving sheds allow of all intermediate profits being  
passed to our customers.

Write for sample range at Special Rate, then compare.

**F. SCHUTZE & CO., LTD.**

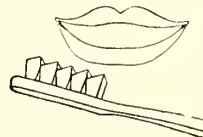
Black Bull Works, Market Road, London, N.7



**RADIO  
NEWSPAPERS  
MAGAZINES**

are telling your customers  
to **HALEXERCISE** too

The National Fitness Cam-  
paign has turned minds  
towards exercise—and now  
striking advertisements are  
turning them to Halexercise. Everyone needs a  
Halex toothbrush. Be ready to show them the  
three famous shilling brushes, and be sure you have  
plenty in stock. Order more Halex brushes now.



### BIGGER CAMPAIGN HELPS YOUR HALEX SALES

#### PRESS:

The Daily Mirror and Daily Sketch have been added to  
the newspapers carrying Halex advertisements.

#### MAGAZINES:

Radio Times, Everywoman's, Passing Show—a long list  
of the magazines people read more than once are used  
by Halex.

#### RADIO:

Popular comedian Joe Murgatroyd now puts Halex on the  
air twice a week from Radio Normandy (wave length  
212'6 m.).

## IT'S DOING GREAT THINGS

FOR YOUR SALES OF

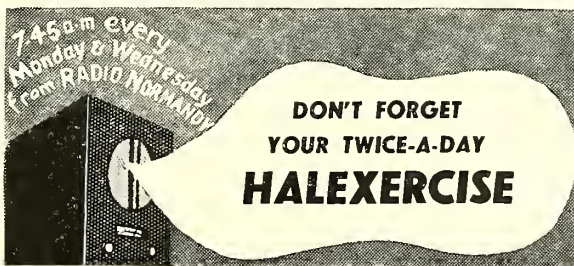
**HALEX**

(Regd. Trade Mark)

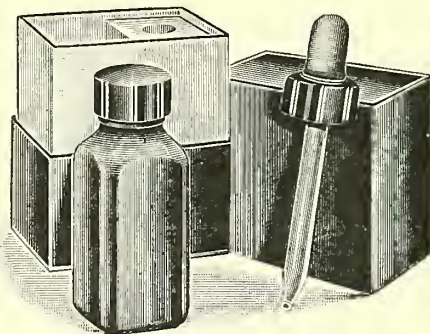
**TOOTHBRUSHES**

MADE IN ENGLAND

Order from your usual wholesaler or from  
THE BRITISH XYLONITE CO. LTD., HALE END, E.4



## AN ELEGANT ACCESSORY for CREDITABLE DISPENSING . . . .



### THE "CLINBRITIC" DROP BOTTLE

WITH EXTRA BAKELITE SCREW CAP

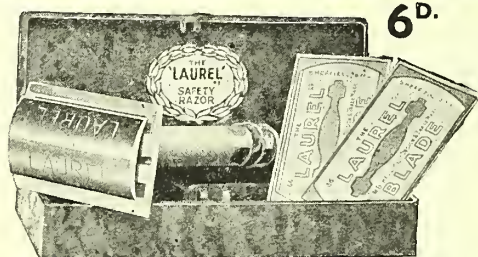
IN PLAIN AMBER GLASS

$\frac{1}{2}$  oz. Size **5/3** doz. 1 oz. Size **6/-** doz.  
SERIES—"CLINBRITIC, S.S."

Each packed in a well-made shouldered box

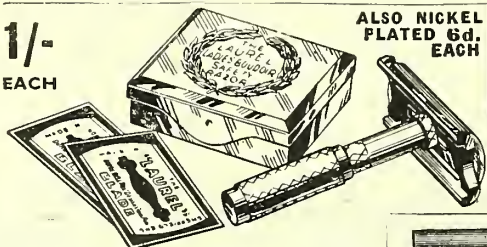
**BRITTON, MALCOLM & WAYMARK LTD.**  
SPECIALISTS IN DRUGGISTS' AND SURGICAL SUNDRIES  
**38 SOUTHWARK BRIDGE ROAD, LONDON, S.E.1**  
TELEPHONE : WATERLOO 4874 (3 LINES).

## SHAVE WITH A "LAUREL"



"LAUREL" DUMB BELL RAZOR

**1/-**  
EACH



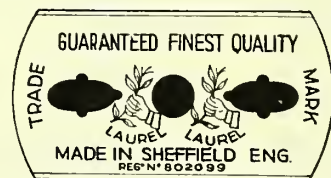
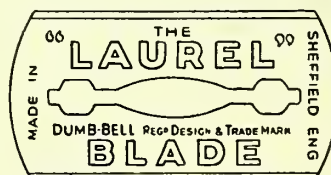
THE "LAUREL" LADIES'  
GOLD-PLATED BOUDOIR  
SAFETY RAZOR  
COMPLETE WITH TWO BLADES AS  
ILLUSTRATED

ALSO NICKEL  
PLATED 6d. EACH

**6d. "LAUREL" PENNY BLADES—ALL TYPES**  
MADE IN SHEFFIELD, ENGLAND

**PENNY  
BLADES**  
FOR YOUR RAZOR

PACKET OF SIX  
BLADES FOR  
**6d.**



FITS ALL 3-PEG HOLDERS



**GEO. H. LAWRENCE LTD. LAUREL WORKS SHEFFIELD, 25571**



# HOLIDAY NEWS

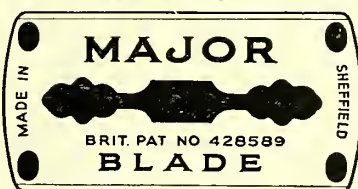
Women know that travelling, sport, crowds, etc., tend to produce a "tired" complexion and the much disliked "shine," especially in warm weather. They also know that the cleansing and absorbent PAPIER POUDRÉ is the only way to remove these without disturbing the make-up. Be sure to have some books on show; it is an excellent pick-up line **AND MAKES AN EXTRA SALE**

From all Wholesalers or direct from the Sole Manufacturers: PAPIER POUDRÉ LTD., 46 BAKER ST., LONDON, W.1

We are also sole manufacturers of Papier Poudre Outfits, Soap Leaves, Nail Polish Leaves, Cottage Garden Perfumes and Pot Pourri Sachets, Sandal-Cedar Moth Bags, etc., etc.

## SOMETHING NEW FOR CHEMISTS

Retail  
**1d.**  
each



Retail  
**4**  
for  
**4d.**

The Slotted "Major" Blade fits  
Three-peg and Bar-Type Razors.

SAMPLE AND TERMS FROM—

**DOMINION STEEL CORPN., LTD.**  
FLEET WORKS, QUEEN'S ROAD, SHEFFIELD, 2

## SOUTHALLS "CELTEX" SOLUBLE *San towels*



**IN CARTONS**

6 for 6d. and 12 for 1/-  
and 1/2, 1/6 and 2/-

also MAKERS OF "ORIGINAL" & "K" SAN TOWELS

## 'Sanident' will sell more easily now

TR 51



Every assistance in  
sales aids is given to  
the stockist of "Sanident." Various show  
material is available  
as required.

An attractive new package and a larger bottle, holding 30% more Sanident, will undoubtedly increase the already large sales of this modern denture cleanser. More and more Chemists are stocking Sanident for its excellent value and pronounced efficiency. Now it is bigger value than ever—without any diminution in quality.

Sanident is definitely antiseptic and contains no acids or abrasives to harm the composition of the dentures. It can be recommended with every confidence as a thorough cleanser. Each "first sale" makes a regular user. Sanident offers a generous profit to the Chemist, too—6d. on every bottle sold.

# SANIDENT

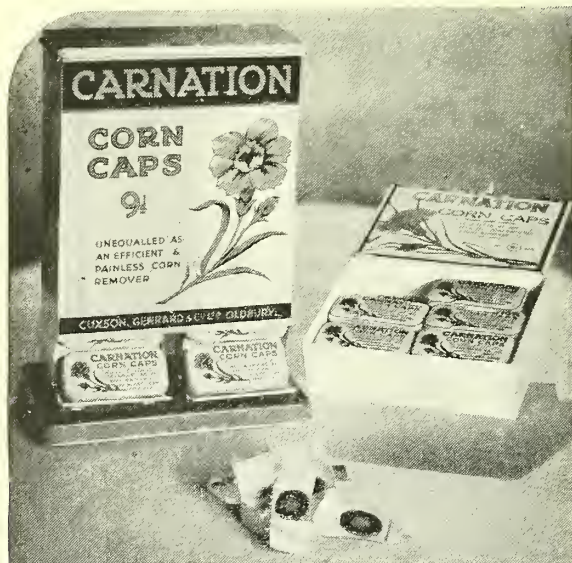
Regd

TRADE PRICE :  
**9/-** per dozen

**1/3**  
RETAIL

**THORNTON & ROSS LTD.,** Linthwaite, HUDDERSFIELD





# Carnation Corn Caps

Sales of this popular remedy are restricted to Qualified Chemists. Not only that, a generous margin of profit is shown—Nationally advertised too.

## CUXSON, GERRARD & CO. LTD.

Manufacturing Chemists  
OLDBURY, BIRMINGHAM



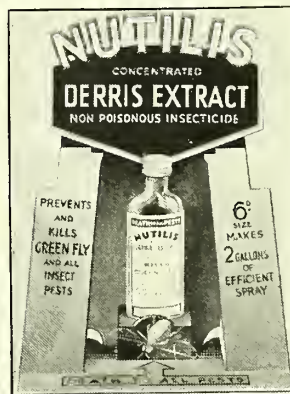
*For*  
**PARTICULAR  
PEOPLE**

For use with  
Sanitary  
Towels as a  
DEODORANT  
and to pre-  
vent chafing.  
It neutralises  
body odours  
at once.

**ORDER FROM YOUR WHOLESALE HOUSE**

# 'NUTILIS' LIQUID DERRIS EXTRACT AN AMAZING NEW LINE

which in a short period has already soared to unprecedented popularity. Every day we receive direct, hundreds of enquiries representing profitable sales that should be YOURS. Don't miss your share of this prosperity any longer. Your usual wholesaler is carrying full stocks to meet your requirements.



The big "Nutilis" advertising campaign is continuing on an even larger scale and attractive show matter is now available. Stock, display and recommend "NUTILIS"—it pays!

6d. size, packed in dozens at 4/-  
1/- size, packed in dozens at 8/-  
2/6 size, packed in dozens, at 20/-  
7/6 size, packed in dozens at 56/-

## ORDER NOW!

"Nutilis" Liquid Derris Extract is obtainable from your usual wholesaler.

Sole Manufacturers:  
**NUTILIS PRODUCTS LTD.** VICTORIA WORKS  
VICTORIA RD., KINGSTON



# THE CANNON RUBBER MANUFACTURERS LTD.

Cannon Works, 5a Welbourn Road, Tottenham, N.17

## The Cannon Range for 1938-9

Colours

"DOLPHIN" &  
"RIPPLE"

RED, BLUE, GREEN

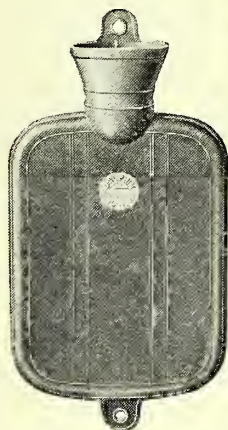
Colours

"DE-LUXE"

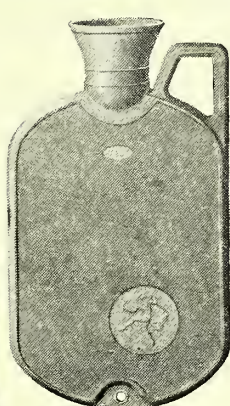
ORANGE, BLUE, GREEN

"BABY"

PINK, LIGHT BLUE



THE DOLPHIN JUNIOR  
(2 QUART)



THE DE-LUXE  
(3 QUART)



THE BABY



THE RIPPLE  
(3 QUART)



THE DOLPHIN  
(3 QUART)

**Every Bottle Guaranteed**

ENTIRELY BRITISH MADE

Competitive Prices • Obtainable from your wholesalers

RECORD



**FIVEPOINT**  
HYPODERMIC

SYRINGES

"FIVEPOINT" RECORD SYRINGES

With PYREX GLASS BARRELS  
With ANNEALED GLASS BARRELS

SURGICAL SYRINGES OF ALL TYPES

For particulars apply to the Manufacturers—

**GENERAL SURGICAL CO. LTD.**

GENSURCO HOUSE

ROSEBERY AVENUE, LONDON, E.C.1

**Elastoplast**  
TRADE MARK

**BANDAGES & PLASTERS**

Advertised to the  
Medical Profession

T. J. SMITH & NEPHEW, LTD.

NEPTUNE ST., HULL

# COTTON WOOL...

**ABSORBENT LINT.** Plain and Boric Lint, Medicated Lint, etc.

**BANDAGES.** White Open Wove, Grey, Flannel, Domette, Calico, Crepe, etc.

**ABSORBENT GAUZE.** Of all qualities, Plain and Medicated,

**FIRST AID.** First Aid Dressings, First Aid Cabinets, Sundries, Standard Dressings, etc.

*Qualities for all purposes. Coloured for Bacteriological work. Non-Absorbent. Medicated, etc.*

• Samples and Prices of any of our manufactures will be gladly supplied on request.

**ROBERT BAILEY & SON LTD.,**

SURGICAL DRESSING MANUFACTURERS

Dysart St., Great Moor, Stockport, Cheshire. Sentinel House, Southampton Row, London, W.C.1  
Phone: Great Moor 3006 (2 lines) Grams: "Undisputed, Observed, Westcent, London"  
Grams: "Undisputed, Stockport"

# Bottles

We can offer quotations for . . .

**MEDICALS • PANELS • VIALS  
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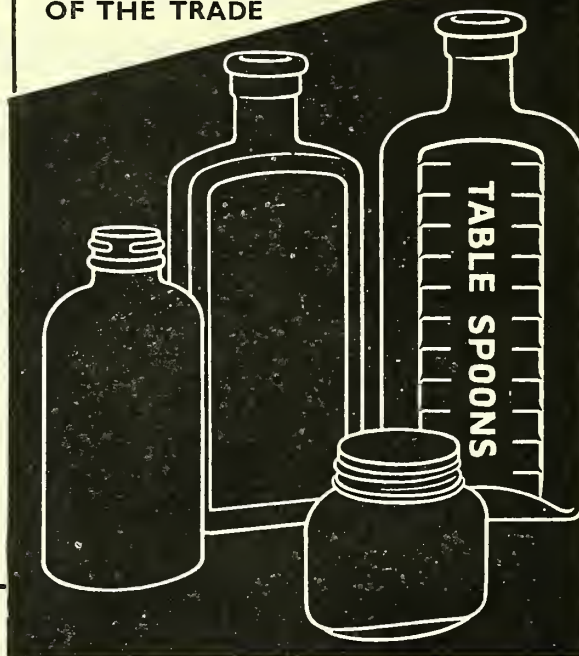
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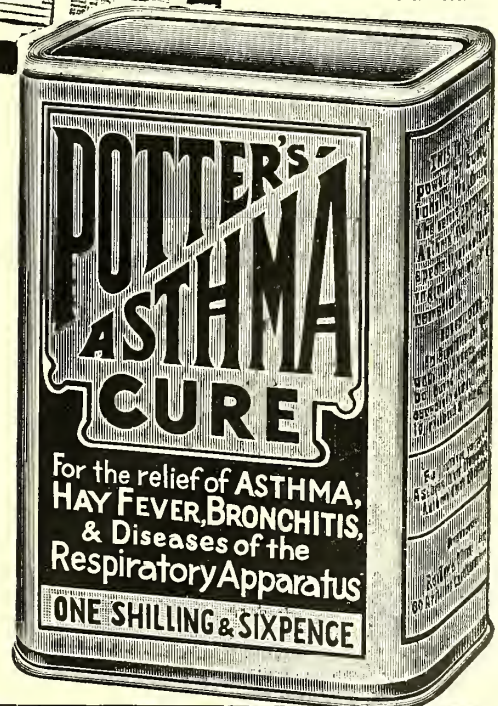
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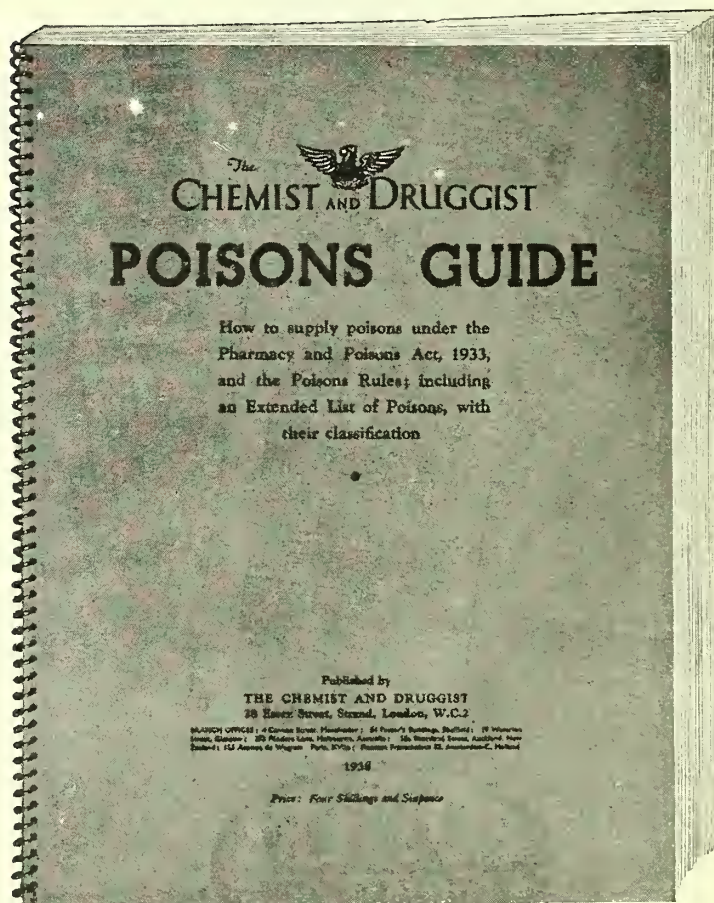
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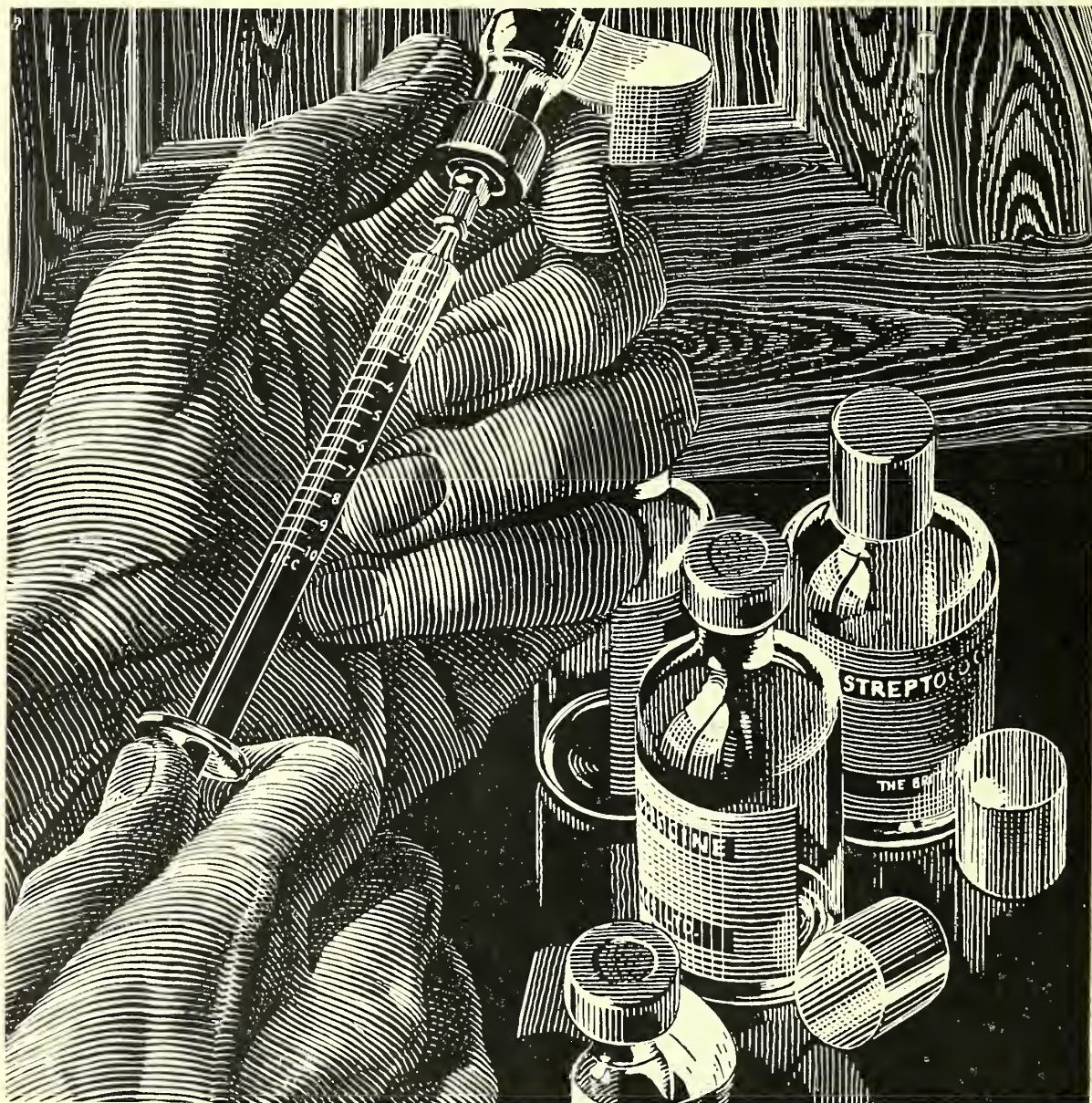
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## News of the Week

### Business Changes

BOOTS, LTD., are opening a pharmacy at New Milton, Hants.  
STABLOND LABORATORIES, LTD., have changed their office address to 128-134 Baker Street, London, W.1.

HEALTH PRODUCTS LABORATORIES, LTD., have changed the address of their offices to 128-134 Baker Street, London, W.1.

J. T. DAVIES (CHEMISTS), LTD., 13-14 Walter Road, Swansea, have acquired the stock and prescription books of Wright & Son (E. Asher, M.P.S.), 27 Walter Road.

MR. A. I. LLOYD, M.P.S., has taken over the pharmacy of Mr. F. H. de la Rue, 22 State's Arcade, St. Peter Port, Guernsey. Mr. de la Rue has retired after forty-five years in business.

### Key Industry Duty Notice

The Board of Trade have received an application under Section 5 (5) of the Finance Act, 1936, for a licence to import free of duty:—

- a PULFRICH-PHOTOMETER in which filtered light passing through a test solution is compared optically with filtered light passing through the pure solvent;
- an ELECTRO-CARDIOGRAPH in which heart-action voltage is measured by means of a three-valve amplifier in conjunction with an optical system.

Any representations that similar instruments are made, or are likely to be made within a reasonable time, in the United Kingdom or elsewhere in His Majesty's dominions, should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, London, S.W.1, on or before July 22, 1938.

### Proprietary Articles Trade Association

ADDITIONS TO PROTECTED LIST.—Bayer Products, Ltd., Bayer's aspirin tablets, 7½ gr., tube of 20, 1s. 3d.; 10s. doz.; bottle of 100, 5s. 3d., 42s. doz.; fourteen days' window display terms: thirteen to doz. on orders for three dozen 6d. or 1s. sizes as at present; bonus of three packings of twenty-five on mixed orders for 12's, 25's or 100's 5-gr. tablets and/or 20's or 100's 7½-gr. tablets to total net value of 24s.; fourteen to doz. on orders for six dozen 6d. or 1s. sizes as at present; bonus of one doz. 25's 5-gr. tablets on mixed orders of 12's, 25's or 100's 5-gr. and/or 20's and 100's 7½-gr. to total net value of 48s.; thirteen to doz. on orders for two dozen 20's 7½-gr. or 100's 7½-gr.; fourteen to doz. on orders for four dozen 20's 7½-gr. or 100's 7½-gr. Panflavin tablets, new size, box of 100, 3s. 9d., 30s. doz. On orders of not less than one dozen of either packing (i.e., 1s. 3d. or 3s. 9d. sizes), thirteen to doz. will be supplied in return for window or counter display.

### Inquests

At Risby, Bury St. Edmunds, the inquest was resumed on the body of William Murfitt, farmer, who died after drinking his morning dose of medicinal salts.

George W. Howard, a gardener, said that he remembered Mr. Murfitt speaking to him some time last year about wasps' nests, and saying that he would buy him some cyanide to destroy them. Howard added that he used all the cyanide on wasps' nests and afterwards buried the bottle where the nests were. He used it on every nest he found or was told of, and buried the bottle according to practice. He kept it in the potting shed and kept the key. Dr. Roche Lynch, Home Office Analyst, said that he examined certain organs, a tin of salts, a glass, and a spoon. Cyanide was present in all the organs. The poison must have been taken either as sodium or potassium cyanide or as a mixture of these salts. In the organs he found 2.885 grains of cyanide. This quantity was found in certain organs only and represented only a small proportion of the original dose taken. Cyanide was fatal in some cases within four to five minutes, and in some cases death did not take place before an hour. According to Mrs. Murfitt, she threw away about a teaspoonful from the top of the salts and yet there was a fatal dose in the tin, Dr. Roche Lynch said. "It is fair to assume that when she opened the tin there were at least 10 grains in it. Experiments have shown that a brown colour far darker than Mrs. Murfitt saw can be produced in six hours from six grains of cyanide. It appears that the cyanide must have been placed in the tin only a few hours before Mrs. Murfitt first saw the brown colour." Mr. Leonard Leeson, Bury St. Edmunds, said that on September 4 Mr. Murfitt purchased 1 ounce of cyanide of potassium; on September 7 Mrs. Murfitt purchased 1 ounce, and on September 8 Mr. Murfitt purchased a 4-ounce bottle.

When the inquest was again resumed on June 25, Richard J. Williams, labourer employed by Mr. Murfitt, said that last summer he bought a shilling bottle of cyanide of potassium to destroy a hornet's nest. He used about half, left the rest in the bottle and put it on a shelf. The police had since taken it. Another witness, James L. Walker, said his last purchase of cyanide of potassium was for the purpose of destroying wasps on April 7, 1937. It was in a bottle, which was wrapped in white paper and was sealed with "Cyanide of Potassium" on it. The inquest was adjourned until July 21.

### Eastbourne

PHARMACISTS' ASSOCIATION MEETING.—A meeting of the above was held at the Chamber of Commerce rooms on June 14, Mr. Henry C. Browne in the chair. It was agreed to make a simultaneous window show of C.F. goods, and the secretary was instructed to obtain information about certain likely lines

## CONTENTS

See p. 13

and the possibility of uniform displays. It was also decided to make arrangements for a lecture on air raid precautions and how chemists can specially help.

### Huddersfield

**SMOKING CONCERT.**—A smoking concert in aid of the Benevolent Fund was organised recently for the Huddersfield Branch by Messrs. North and Sykes. A sum of £5 10s. was realised.

**GOLF.**—Huddersfield and District Chemists' Golf Association competed for the trophy presented annually by the United Chemists' Association, Ltd., over the Meltham course on June 15. The best card was returned by Mr. Edwin Thomas with a net score of 69. Presentation of the award, a handsome silver cigarette box, was made on behalf of Messrs. Ucal by Mr. A. Davies.

### London

**CARNIVAL AWARD.**—Mr. B. J. Fisher, M.P.S., Portland Road, South Norwood, S.E.25, took first prize for decorated cars in the South Norwood street carnival, recently, with a Kodak display. His car was draped in the familiar red and yellow colours, while a mammoth camera stood up on the roof, surrounded by giant film cartons.

**A.R.P. LECTURES.**—An A.R.P. class for chemists, inaugurated in Ealing on June 21, was fully attended. There are to be, in all, eight lectures of two hours each on successive Tuesdays, with an examination at the end. At the first meeting the lecturer described three types of gas and warnings were given of what should be done to give relief. Respirators and holders were served out and their use explained. Instructions for fitting were given, after which the trainees were set the task of adjusting the appliances to themselves within a period of eight seconds. Results showed that home practice would be needed. A similar class to meet on Thursdays is being arranged.

## Irish Notes

### Pharmaceutical Society of Northern Ireland

#### EXAMINATION RESULTS

The following passed in the June examination of the Pharmaceutical Society of Northern Ireland:—

**Preliminary Scientific.**—J. J. Callaghan, R. V. Campbell, G. V. Duffy, W. Gorman, W. S. Hall, J. A. Hamilton, C. D. Hughes, W. L. Lloyd, G. E. Magee, W. A. Massey, J. D. McCafferty, J. McCollum, W. J. McCullough, W. J. McFarland, G. M. MacManus, B. G. Quinn, T. A. Rea, W. J. Taylor, J. A. Walker. **Qualifying.**—R. B. Boyle, L. H. Breádon, J. Francey, J. F. Lowry, Miss M. Meneely, W. J. Mullan, P. McAnallen, J. J. McMichael, J. Paul, J. Rankin, S. J. Smiley.

### The Senate Election

The Council of the Pharmaceutical Society of Ireland have decided once more to avail themselves of the powers conferred on them as a nominating body under the Senate Electoral Act, and put forward two candidates in the forthcoming Senate elections in Eire. At its June meeting the Council unanimously decided to nominate the president, Mr. Bartholomew P. Hickey, and the vice-president, Mr. Patrick C. Cahill, as its representatives on the Cultural and Educational Panel. Among pharmacists in Eire, the Council's choice of candidates will be universally endorsed. Both the president and vice-president belong to what might be called the younger generation in pharmacy, but each has proved his ability to serve the profession to which he belongs. The Council of the Society has shown its appreciation of both Mr. Hickey's and Mr. Cahill's work in their own deliberations by electing them to its highest offices.

Apart from his zealous service as president of the Society, Mr. Hickey has laboured unceasingly in the past few years to further the work of the Irish Drug Association in the North Leinster area. The organisation of the I.D.A. in co. Dublin, co. Louth and part of Monaghan has been mainly brought about through his enthusiasm and effort. In every activity calculated to further the interests of his profession he has given himself unsparingly.

In the field of trade organisation and protection Mr. Cahill also holds a fine record. As a member of the Committee of the Irish Drug Association he worked arduously to have the

scheme of approved lists, and the policy of "chemists' lines for chemists only" made fully operative. Later, when he entered the wholesale trade, he rendered still further service to the I.D.A. by organising the wholesale section of the Association.

Both men enjoy the fullest confidence and respect of their colleagues, and the aim of every pharmacist in Eire should be to do his or her utmost to ensure that the Society's candidates are returned. In the new Dail Eireann just elected the profession is represented by two Deputies, Mr. J. J. Cole and Mr. Frank Loughman. The position in the Senate is somewhat different. Here the candidates go forward on a vocational panel, and if elected will primarily represent not a political party interest but their own profession in the State. For this reason it will be a great gain to pharmacy if representation in the Upper House can be secured. In the last Senate election Mr. Cahill went very close to winning a seat, and that he did not succeed has been attributed to the fact that in certain counties individual pharmacists did little to further the candidature of their own Society's nominee. This should not happen again. With the president as well as the vice-president in the field, pharmacists in every one of the twenty-six counties of Eire should get to work without delay to ensure there is no failure this time. Local Deputies and members of County and Borough Councils on the electoral college should be approached at once, the earlier the better, and the claims of pharmacy as an organised vocational profession strongly urged.

### Belfast

**MR. W. J. HEATRICK, Ph.C.,** 288 Cliftonville Road, Belfast, has been appointed secretary of a new organisation formed in Belfast known as the "Cronies," which has come into being through the writings of Dr. A. J. Cronin.

**MR. DAVID KIRKPATRICK** (secretary, Pharmaceutical Society of Northern Ireland) has been bereaved by the death of his son-in-law, Mr. Ronald Baird.

**METHODIST CONFERENCE DELEGATES.**—Lay delegates to the Irish Methodist Conference, which was held in Belfast recently, included the following pharmacists: Mr. G. B. Johnston, Coleraine; Mr. J. W. Sandford, Larne; and Mr. S. J. Smiley, Castlevellan.

### Dublin

**BUSINESS CHANGE.**—Mr. Patrick J. O'R. Hayes, Ph.C., has acquired the business of Ryan's Pharmacy, 28 James's Street.

**INSTALLATION CEREMONY.**—The new flag of the Pharmaceutical Society of Ireland was flown side by side with the national flag at the Society's headquarters, 67 Mount Street, Dublin, on the occasion of the installation of the new President of Eire (Dr. Douglas Hyde) on June 25. The flag carries the Society's crest (similar in design to the presidential badge) in an oval medallion. The Mayor of Galway (Mr. Joseph F. Costello, M.C.P.S.I.) was amongst the civic representatives present at the installation ceremony.

## Scottish Notes

### Glasgow

**WINDOW DISPLAY AWARDS.**—In the Rexall birthday sale window display competition John Foster, Ltd., Glasgow, won a five-guinea prize, Class 1 (best selling window). Mr. R. G. Drummond, M.P.S., Falkirk, won a consolation prize.

**SENTENCE FOR ASSAULT ON CHEMIST.**—At Glasgow Sheriff Court, on June 27, Frederick John Bealing and Earle Henry Shier were each sentenced to twelve months' imprisonment on a charge of assaulting Mr. James Dowell, M.P.S., on his premises at 8 Broad Street, Stirling, by pointing at him a loaded pistol, ordering him to put up his hands, threatening to shoot him, and robbing him of 23s.

### Miscellaneous

**MR. GEORGE A. HATT, M.P.S.,** has acquired the business of Mr. J. C. Lunan, M.P.S., High Street, Banchory.

**SCOTTISH CHEMISTS' BOWLING ASSOCIATION.**—The annual pairs competition for the Gibbs' trophy will be held on Albert Place Green, Stirling, on July 6, commencing at 10.30 a.m. Entry forms must be sent to the secretary, Mr. W. Peebles, M.P.S., 110 Springfield Road, Glasgow, S.E., not later than July 4.

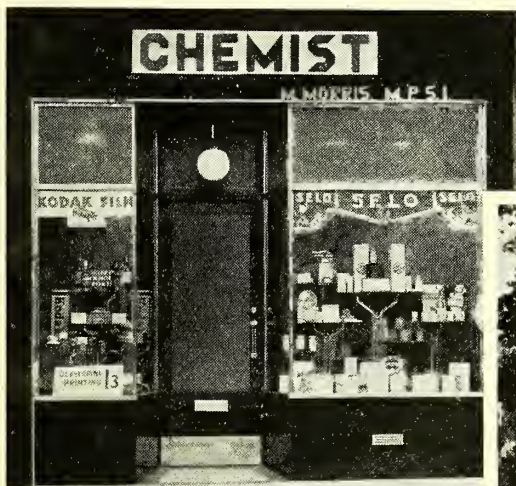
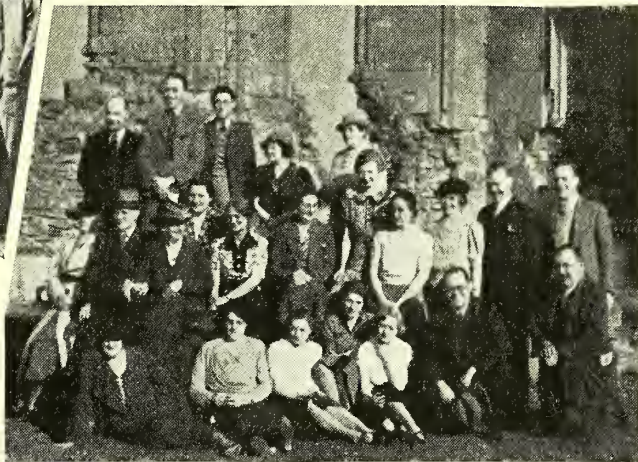


## News in Pictures



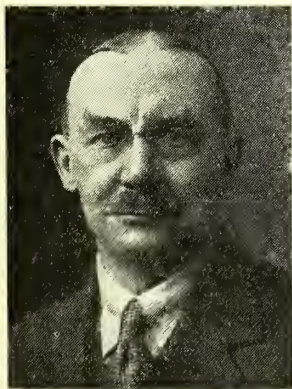
*Left, CANADIAN VISIT—Lord Leverhulme with delegation from England for the 57th annual meeting of the Society of Chemical Industry at Ottawa, June 20. Photograph by courtesy, Canadian Pacific Railway Co.*

*Below, MIDDLESBROUGH CHEMISTS' OUTING—Group taken at Rivaulx Abbey, (see page 9).*



*Above, IRISH WOMAN PHARMACIST'S SHOP-FRONT—Modern front recently installed for Miss M. Morris, M.P.S.I., Main Street, Donnybrook. The black opal panels are framed with staybrite steel and the lettering "chemist" is in pale green.*

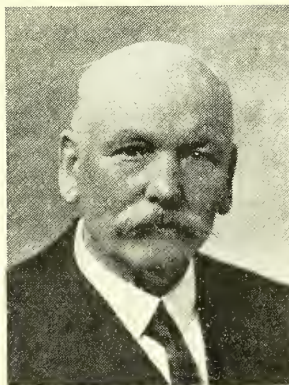
*Right, WEST LONDONERS AT OVALTINE WORKS—Party from Western Pharmacists' Association photographed at King's Langley (see page 9).*



**MR. W. F. BILLYARD**, who is retiring after 47 years as pharmacist, St. Mary's Hospitals, Manchester (see page 11).



**MR. T. E. EVANS, Ph.C.**, president, Pontypridd & Rhondda Valley Branch, Pharmaceutical Society (see p. 11).



**MR. SYDNEY T. MILLBANK, Ph.C.**, who recently retired from chairmanship of the Herts Pharmaceutical Committee.



**MR. M. K. WATT**, chairman, Aberdeen & North-Eastern Scottish Branch, Pharmaceutical Society (see page 11).



## Golf Meetings

**LONDON CHEMISTS' GOLFING SOCIETY.**—The London Chemists' Golfing Society held a meeting at West Herts course on June 23. Two competitions were held: Burgoyne cup (medal) and the Vinolia prize (bogey). The leading scores:—

Medal		Bogey	
R. Briggs ..	81-11=70	W. H. Usher ..	(18)=2 up
W. H. Usher ..	89-18=71	R. Briggs ..	(11)=1 up
J. I. Griffiths ..	93-18=75	A. H. Barnetson ..	(sc.)=2 down
H. Warburton ..	81-11=75		
G. P. Crang ..	88-12=76		
A. H. Barnetson ..	76-Sc.=76		
S. Barker ..	86-10=76		

**BIRMINGHAM VERSUS MANCHESTER.**—The annual competition between Birmingham and Manchester Golfing Societies for the British Drug Houses trophy was played at Hawkestone Park Golf Club, Shropshire, on June 26, the result being a decisive win for Birmingham. The match was decided on the best seven medal cards returned by each side. The scores were:—

BIRMINGHAM		MANCHESTER	
W. E. Fletcher ..	70	G. Walsh ..	77
R. O. Busby ..	70	J. H. Franklin ..	80
J. Frost ..	73	C. Stevens ..	81
F. L. Dent ..	74	R. M. Shaw ..	81
S. W. Williams ..	74	R. McGarroll ..	81
H. Coxon ..	75	F. D. Gee ..	83
H. P. Hague ..	76	T. Miller ..	83

Mr. J. H. Franklin (president of the Manchester Society), occupied the chair at dinner in the evening, and Mrs. Franklin presented the trophy to the Birmingham captain (Mr. J. Frost) and the prizes won during the afternoon to Messrs. W. E. Fletcher and R. O. Busby (best net scores); Mr. G. Walsh (best score returned by Manchester player); Mrs. F. D. Gee (putting). A vote of thanks to the British Drug Houses, Ltd., was responded to by Mr. Burney.

**HULL VERSUS YORK.**—York Chemists' Association met Hull Chemists' Association at Hull Golf Club, Kirkella, recently, in a first golf match between the two Associations. Two teams of twelve competed, and the visitors were guests of the Hull Association at lunch. Social arrangements were in the hands of Mr. V. H. Iddon, who welcomed the York men and proposed the health of the visitors. The York captain, who returned thanks, expressed the hope that the competition would become an annual event, and that the Hull chemists would visit York later. The match resulted in a win for Hull, as follows:—

HULL		YORK	
V. H. Iddon and W. E. Naylor ..	$\frac{1}{2}$	A. Colbert and G. A. Coverdale ..	$\frac{1}{2}$
L. Surfleet and L. Spink ..	0	O. Colbert and C. Dobson ..	1
C. G. Sutcliffe and S. T. Kirton ..	0	L. Knowlson and J. H. Lupton ..	1
E. Hindle and A. Surfleet ..	1	W. Midgley and J. Wilkinson ..	0
J. E. Hindle and N. S. Iddon ..	1	J. A. Wright and B. Brooke ..	0
R. H. Watson and R. L. Stephens ..	1	W. Hargrave and J. H. Emsley ..	0

**THREE DAYS' COMPETITIONS.**—Edinburgh Chemists' Golf Club held a competition over Dalmahey East course on June 15 for a prize presented by the captain (Mr. J. Bowman) and other awards. The results were:—1 (captain's prize), W. J. Rosie (7), 80; 2 (a tie), M. S. Iveson (8) and R. Harvey (13), 83; second-class (a tie), G. Cowie (19) and J. P. Gibb (20), 88. On the same course the following day, in the final tie of the first competition for the foursomes trophy presented by The British Drug Houses, Ltd., J. B. McCaig and J. M. Tulloch beat M. S. Iveson and G. Cowie by one hole. The tie for the "David Brown" bogey medal, carried forward from last year, was played off on June 17, J. B. McCaig (one down) defeating M. S. Iveson (four down).

## Topical Reflections

### By Xrayser

#### From China to Peru

YOUR ANNUAL SPECIAL ISSUE surveys mankind, as the eighteenth century saying goes, "from China to Peru." Its arrival one morning materially changed my programme for the day—and I think there can hardly be a higher compliment than that. I must return to some of the articles, and especially those with the artistically tinted illustrations, before filing my copy for reference. The recent celebrations of the Linnean Society render Dr. David Hooper's scholarly appreciation specially topical: reinforced by Professor Small's illuminating account of "Pocket-lens Photography" it may give a final quietus to the notion that botany is a dull science. Even at this distance of time, I have happy recollections of the dissection of botanical specimens with "glover's" needles under the direction of a good teacher during my apprenticeship; and the pleasure of those hours would have been enhanced if there had then been available the means devised by Professor Small for photographing what the lens revealed. The work of Linnæus has stood the test of time remarkably well, his nomenclature being still the subject of taxonomic discussion where it appears to be inadequate to modern standards of precision. I may remind your readers of the reference in your SPECIAL ISSUE of June 30, 1923, to his visit to the Botanic Garden at Oxford, with his neat defence of his system.

#### In the City

The article entitled "Grocers, Apothecaries and Druggists" outlines in a small compass the early relations between grocers and apothecaries in the City of London. Anyone who has tried to investigate this and cognate matters at first hand is impressed by the difficulty in obtaining actual records. As an instance, the extent to which the business of salters and drysalters impinged upon or overlapped that of grocers and apothecaries has never, as far as I am aware, been set forth. The mediæval practice of salting meat and fish for use in

winter gave rise to an industry that must at one time have been of considerable importance; and I notice that the Company of Salters is now ninth in order of precedence among the City Livery Companies. The garbelling of spices, referred to on p. 767, is a well-documented subject. In a note which I have before me I read that the office of garblers of spices in London was in 1445 granted to Richard Hackdye and William Ansell for their lives; in 1459 to two other men for their lives; in 1461 to William Elliott, "clerk of the spicery," for life; in 1526 to a London goldsmith for 100 years; and in 1567 to a London grocer for fifty-eight years. It appears from other records that the work of the official appointed was not devoid of excitement.

#### The Importance of History

On such an occasion I do not attempt the invidious task of selecting for mention the subjects in last week's issue that have most appealed to me; I may, however, add briefly that I have never opened a Special Issue more evenly balanced in interest and value. It is well that we should be reminded from time to time of our commercial ancestry. Some of the traders of whom we read in your vivid pages are our own forerunners: their problems, with variations, are our problems, and much may be learnt from the record of their methods of dealing with them. Nor have modern processes of cultivation, manufacture and standardisation been overlooked in your choice of contributions. Finally, I found a link with the past where I least expected to see it, in your opening paragraph announcing a change of address at Keighley. The pharmacy referred to is associated with the name of Charlotte Brontë, whose early life was passed at Haworth, not far away. One of her childhood manuscripts has for its cover a blue Epsom salts wrapper sent out from this business: about five years ago I visited one of London's principal auction rooms and had the privilege of examining it. You had a paragraph on this relic in the C. & D., 1933, I, 345.



## Legal Reports

**Sunday Trading Prosecution.**—At Oldham Police Court on June 16 Harold Wilkinson, described as a herbalist, pleaded guilty to a summons for failing to comply with the Shops (Sunday Trading Restriction) Act. According to police evidence the case had reference to the sale of a packet of medicinal tablets at 6.10 p.m. on Sunday, May 22. There was an exemption under the Act which provided that a shop might open on Sunday for the sale of medicines and medical and surgical supplies where the premises were registered under Section 12 of the Pharmacy and Poisons Act, 1933. Defendant had explained that he thought his shop came within that definition. He was, however, registered under Section 21. The case was dismissed on the payment of costs.

**Unlawful Sale of Strychnine.**—At Durham, on June 22, Hugh L. Thirlwell, M.P.S., Willington, was charged with unlawfully selling strychnine. It was stated that an inspector of the Pharmaceutical Society visited defendant's premises and found the record of a purchase of 15 grains of strychnine in a 4-oz. acid solution. It was found that a customer bought the bottle of poison to kill moles. For the defence it was submitted that the offence had been committed inadvertently. Mr. Thirlwell overlooked certain regulations which came into force in 1936. A customer entered his shop at a busy period and asked for something with which to kill moles. On looking round, he found the strychnine, which he sold quite innocently. Defendant was bound over for twelve months.

At Halifax Police Court, on June 21, Harold C. Priestley, M.P.S., was summoned for selling strychnine otherwise than as an ingredient of a medicine. Mr. W. Roberts, an inspector of the Pharmaceutical Society, found a record in defendant's Poisons Register of the sale of half an ounce of solution of strychnine for killing starlings. On his attention being called to this unlawful transaction, defendant said he knew of the restrictions, but did not think they would apply if it was sold in that particular form. A fine of £5 was imposed.

**Arsenic Sold to Unknown Purchaser.**—At Navan District Court, co. Meath, on June 24 Patrick and Kathleen Markey (trading as James Sheridan & Co.), Trimgate Street, Navan, and Patrick J. Tehan, Trimgate Street, Navan, were each summoned under the Pharmacy Act, 1875, for selling a preparation containing arsenic without complying with the provisions of the Act. Mr. J. J. Gaynor, solicitor, appeared for the Pharmaceutical Society of Ireland and Mr. A. Steen for the three defendants. William Coogan, an inspector of the Society, stated that on March 9 he entered Markey's shop and asked for a packet of Cooper's sheep dip. When the assistant asked his name he replied "John O'Neill." The assistant then gave him the packet, for which he paid 1s. 6d. and produced a book which he signed "John O'Neill." Witness said he gave the wrong name to prove the assistant did not know him. The Justice said there was a difference between selling raw arsenic and arsenic in such compositions as sheep dip. Mr. Gaynor said the defendants did not comply with the conditions of the licence. Mr. Steen: Only in so far as we did not know the person to whom it was sold. According to analytical evidence, the packet contained 21 per cent. of arsenic. Mr. James J. Kerr, Registrar of the Pharmaceutical Society of Ireland, said the Society raised no objection to the sale of sheep dip containing arsenic provided the legal conditions were observed. The important point was that if such preparations were used for criminal purposes it would be impossible to trace the sale to the purchaser if the conditions were not observed. The Society had complaints from the Civic Guards in connexion with these sales. The Justice said the whole point was the non-compliance with the conditions, and he intended to convict on that summons. Mr. Gaynor said the case against Patrick J. Tehan was similar, and it was a question of distributing the costs and expenses between all the defendants. He suggested that £12 12s. would cover the costs and expenses. In cases of this kind the Pharmaceutical Society had a public duty to discharge and should not be at any loss. The Justice imposed a fine of £5 on Patrick and Kathleen Markey and £5 on Patrick J. Tehan, with £10 10s. costs and expenses.

## Parliamentary News

### USE OF STRYCHNINE

The Home Secretary was asked, on June 16, whether his attention had been called to the increased use of strychnine in keeping down vermin in agricultural districts; and whether he would take steps to restrict the free use of this poison.

SIR S. HOARE: I am not aware of any increase in the use of strychnine for the purpose of the destruction of vermin. On the contrary, the sale of strychnine, except as an ingredient in a medicine, has been prohibited since May 1, 1936.

### FOOT-AND-MOUTH DISEASE (VACCINE TESTS)

The Minister of Agriculture was asked on June 20 whether he was conferring with the Danish Government as to the results of the foot-and-mouth vaccine experiments at Rheims Island; and whether His Majesty's Government were testing the efficacy of the vaccine.

MR. W. S. MORRISON: I have seen reports on the active immunisation of animals against foot-and-mouth disease in Germany. In the preliminary scientific account that has been published no details are given of the methods of preparation of the vaccine, but it is stated that they will be published in the near future. The results of the use of the vaccine in the field will also be published later. The Foot-and-Mouth Disease Research Committee is aware of the work which has been carried out in Denmark and its recent application in Germany and is keeping in touch with the situation.

### POST OFFICE CASH-ON-DELIVERY SERVICE

The Postmaster-General was asked on June 27 whether the cash-on-delivery service was meeting with the success which was contemplated; and whether any reduction in the scale of fees was being considered.

The Assistant Postmaster-General (Sir Walter Womersley): The inland cash-on-delivery service appears to meet the demands of the public. The numbers of cash-on-delivery parcels and packets posted have increased from 1,093,000 in 1926-27 to 2,726,000 in 1937-38. The great majority of these are parcels. I regret I cannot hold out any hope at present of a reduction in the fees.

### OPHTHALMIC BENEFIT APPROVED COMMITTEE

MR. BERNAYS (Parliamentary Secretary to the Minister of Health), on June 28, in response to a question by Major Macnamara, said the Ophthalmic Benefit Approved Committee consists of fourteen representatives of approved societies and an equal number of opticians, with the hon. Member for the Newton division of Lancaster (Sir R. Young) as chairman. There are also two official observers with no voting power, one from the Ministry of Health and one from the Department of Health for Scotland. The names of the optical representatives were given as follows:—*Joint Council of Qualified Opticians*: Mr. W. B. Barker (British Optical Association); Major W. H. Champness (Worshipful Company of Spectacle Makers); Mr. G. E. Houghton (Institute of Ophthalmic Opticians); Mr. J. H. Hayes (Joint Council of Qualified Opticians); Mr. T. J. H. Young (Optician Resident in Scotland); Mr. P. Randell (Optician Resident in Wales); *National Association of Opticians*: Mr. L. Moreton Parry; *Institute of Chemist-Opticians*: Mr. J. J. Laws; *Ophthalmic Supplies, Ltd.*: Mr. J. W. Bowen; *Association of Dispensing Opticians, Ltd.*: Mr. J. R. Howard; *Scottish Association of Opticians*: Mr. D. L. Veith; *Association of Wholesale and Manufacturing Opticians*: Mr. E. T. Cornwell, Mr. F. H. Wheway; *Unattached Opticians*: Mr. I. G. Aitchison.

Major Macnamara asked the Minister of Health whether he is aware that Jameson & Co., who make spectacle frames, were required by the technical subcommittee of the ophthalmic benefit committee whose subcommittee's seven members include three competitors of Messrs. Jameson, to submit, under the new regulations, their spectacle frames to a test by a competitor of Messrs. Jameson; that the latter refused, but suggested an independent test by a Government Department, which was refused; and whether he will intervene to allow the independent test.

MR. BERNAYS: My right hon. Friend is in communication with the Committee and is hopeful of arranging for a test by an authority to which Messrs. Jameson could not take exception.



# Company News

P.C. means Private Company and R.O. Registered Office

**AMOS JONES (CHEMIST), LTD. (P.C.).**—Capital £1,000. Objects: To acquire the business of a chemist and druggist carried on at 78 Long Acre, W.C., as "Amos Jones."

**D. E. ANDREWS, LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of chemists and druggists, etc. The first directors are to be appointed. Solicitors: J. E. Lickfold & Sons, 17 Bedford Row, W.C.1.

**V. A. SUGG & Co., LTD. (P.C.).**—Capital £500. Objects: To carry on the business of chemists and druggists, opticians, etc. Mrs. Violet A. Sugg (permanent director and chairman), 57 New Barn Street, Plaistow, E.13.

**DR. W. GORDON HANNA (1938), LTD. (P.C.).**—Capital £2,000. Objects: To carry on the business of chemists, etc. Thos. F. Haworth, Inverkeith, Helmsjore Road, Haslingden, director. R.O.: Regent House, Prinney Hill, Haslingden, Lancs.

**MOSS CASH CHEMISTS, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of manufacturing and general chemists, herbalists and drug merchants, opticians, etc. Mrs. Olive M. Moss, 12 Caswell Drive, Mumbles, Glam., director.

**PULCHRIT COSMETICS, LTD. (P.C.).**—Capital £100. Objects: To carry on business as manufacturers and dealers in perfumes and essences, soaps, toilet preparations, etc. Eli Morris, Greenfield House, Hollywood Lane, Frindsbury, Kent, director. R.O.: 404 Edgware Road, W.2.

**CENTRAL MEDICAL HALL (BALLINASLOE), LTD. (P.C.).**—Registered in Dublin. Capital £1,000. Objects: To carry on the business of wholesale or retail chemists, manufacturing, dispensing and pharmaceutical chemists, etc. The first directors are not named. No R.O. given.

**ACME (SALES), LTD. (P.C.).**—Capital £100. Objects: To carry on the business of dealers in and manufacturers of hop, fruit, and other plant washes, manures, fertilisers, etc. Alfred C. Baldwin, 62 The Drive, Tonbridge, Kent (director of Acme Chemical Co., Ltd.), director. R.O.: 45 London Wall, E.C.2.

**REES CHEMIST, LTD. (P.C.).**—Capital £500. Objects: To carry on the business of pharmacists and wholesale and retail manufacturing and dispensing chemists and druggists, etc. Jesse M. Rees, 50 Bickham Park Road, Plymouth, director. R.O.: "Peverell Corner," Tavistock Road, Peverell, Plymouth.

**LUSTRON PRODUCTS, LTD. (P.C.).**—Capital £3,850. Objects: To carry on the business of chemists, druggists, manufacturers of and dealers in chemical, medicinal, cosmetic and toilet preparations and accessories, etc., and to acquire all or part of the assets and undertaking of S. A. Curzon. The first directors are to be appointed. Solicitors: Linklaters & Paines, 2 Bond Court, Walbrook, E.C.

**CLEANIT MANUFACTURING CO., LTD. (P.C.).**—Capital £1,000. Objects: To acquire the business of the Cleanit Manufacturing Co., carried on by F. A., R. J., and T. E. Godsave at 35 Woodhouse Road, Leytonstone, E., and to carry on the business of manufacturers of and dealers in washing, cleaning and scouring powders, soaps, etc. Fredk. A. Godsave, 62 Cowley Road, E.11, director. R.O.: 34A Newcomen Road, E.11.

**BRITISH GLUES & CHEMICALS, LTD.**—Half-year's fixed preference dividend will be paid on July 31. Dividend of 10 per cent. proposed on ordinary and 1 per cent. participation on preference for year to April 30, payable on same date (same).

**SANGERS, LTD.**—The directors' report and balance sheet for the financial year ended March 31, 1938, shows the net profit on trading, including dividends, interest receivable and transfer fees, also £15,750 profit on sale of shares, was £236,314 4s. 1d. After providing for special tax reserve (N.D.C.), £7,000, staff benefit fund, £2,000, and final dividend on ordinary shares of 16½ per cent. (less tax), paid July 31, 1937, £65,812 10s., the balance carried forward from the previous year was £119,529 11s. 2d., to which is added special tax reserve

(N.D.C.) from previous year, £7,000, making a total available of £362,843 15s. 3d., out of which the directors have allocated to income tax and N.D.C. £65,380 18s. 1d., paid dividends on 5½ per cent. preference shares for year to January 31, 1938, £14,850, on 7½ per cent. preference shares for year to January 31, 1938, £14,062 10s., and interim dividend of 10 per cent. on the ordinary shares on January 31, 1938, £44,550, leaving a balance of £224,000 7s. 2d. The directors recommend that this balance should be appropriated as follows: Staff benefit fund £2,000, to pay a final dividend of 15 per cent. (less tax) on the ordinary shares (making with the interim dividend a total of 25 per cent. for the year to March 31, 1938) £65,457 16s. 4d., and to make a special distribution at the rate of 1.479d. per ordinary share, out of capital profit realised on sale of shares (free of income taxation) £14,750, leaving a balance to be carried forward of £141,792 10s. 10d. (Subject to the accrued dividend on the 5½ per cent. and 7½ per cent. cumulative preference shares for two months amounting to £4,658 2s. 6d.) Mr. Henry Sanger retires by rotation, and, being eligible, offers himself for re-election. Warrants for the final dividend and the special distribution on the ordinary shares, after confirmation by the general meeting, will be posted on July 31, 1938, together with the half-year's dividend due on the 5½ per cent. and 7½ per cent. preference shares. It is proposed to obtain the approval of shareholders for the conversion of the company's preference share capital into stock, transferable in units of £1, and the ordinary share capital into stock transferable in units of 5s. This is in conformity with modern practice and rights of members are not in any way affected thereby.

## Voluntary Liquidations

**Slatter & Stopforth, Ltd.,** 98 High Street, Cheltenham, chemists. At the statutory meeting of creditors the statement of affairs showed liabilities of £1,466 13s. 9d., of which £985 13s. was due to unsecured creditors, and £571 6s. 9d. to partly secured creditors, who held security valued at £90 6s. The assets were: Cash in hands of Receiver, £425; and sundry debtors estimated at £27 10s., making a total of £452 10s., or a deficiency, so far as the creditors were concerned, of £1,014 3s. 9d. It was reported that the debenture holders appointed a Receiver on June 16 last. The business was then advertised for sale and subsequently disposed of, the total purchase price being £1,397, of which £300 represented the value of the lease and goodwill, £1,005 the stock and book debts at valuation, whilst the balance was for sundry items. After discharging the claim of the debenture holders, it was estimated that there would be a balance available for the creditors of £425, as shown in the statement of affairs. The creditors resolved to confirm the voluntary liquidation of the company with Mr. C. H. Tortonese, accountant, Cheltenham, as liquidator, with a committee.

**A. A. Williamson, Ltd.,** Market Place, Ilkeston, chemists. The statutory meeting of creditors of the above was held recently at Nottingham, when the statement of affairs disclosed liabilities of £2,918 17s. 3d. The assets comprised: Fixtures and fittings, £50; stock, £1,500; book debts, £300; investment, £6 10s.; and cash at bank and in hand, £45 2s. 7d., making a total of £1,901 12s. 7d., from which had to be deducted £50 for preferential claims. The net assets, therefore, were £1,851 12s. 7d., or a deficiency, as regarded the creditors, of £1,067 4s. 8d. The company, it was stated, was registered in March 1925 with a nominal capital of £500, all of which had been issued and was fully paid up. During the year to March 31, 1935, the turnover was £3,370, with a net loss of £43, whilst in the next year the sales amounted to £3,205, with a net loss of £265. During the twelve months to March 31 1937 there was a further net loss incurred of £163. Between April 1937 and June 11 of the present year the sales were £4,333, with a net loss of £114. The creditors decided to confirm the voluntary liquidation of the company with Mr. E. F. Walker, C.A., Nottingham, as liquidator. A committee was also appointed.



# Pharmaceutical Society of Great Britain

## North British Branch

A MEETING of the Executive of the North British Branch of the Pharmaceutical Society was held at 36 York Place, Edinburgh, on June 15, Mr. W. Spence Culbert in the chair. The chairman said he was sure they desired to offer to Mr. Guthrie their congratulations on his appointment as president of the Pharmaceutical Society. Mr. Guthrie had now filled practically every official position in connexion with the administrative work of the Society and they wished him health and strength to carry out his duties.

Mr. JACK said he would like to take the opportunity of saying with what unanimity and cordiality Mr. Guthrie's colleagues on the Council elected him to the office.

Mr. HARLEY said all rejoiced in the appointment.

Mr. GUTHRIE, replying, said he realised that his appointment as president would be in entire agreement with the wish of the Executive. Ever since he became a member of the Executive and since he was appointed to office on the Council he had felt that the Executive had given him full confidence and support.

Attention was directed to the arrangements which had been publicly intimated as to the position of pharmacists and their training in Air Raid Precautions.

### Annual Meeting

THE annual meeting of members of the Pharmaceutical Society resident in Scotland was held at 36 York Place, Edinburgh, on June 15, Mr. W. Spence Culbert in the chair.

THE CHAIRMAN, in the name of the annual meeting, conveyed congratulations to Mr. Thomas Guthrie on his appointment as president of the Pharmaceutical Society.

The recent adjustment, he went on, by which the North British Branch Executive, the Executive Council of the Scottish Pharmaceutical Federation, and the Pharmaceutical Standing Committee (Scotland), were enabled to act in close co-operation in regard to securing the reservation of the dispensing of all medicines to qualified pharmacists under suitable professional and financial conditions, was proceeding satisfactorily. The same combination was enabling Scottish pharmacists as a body to assist the work of the Pharmaceutical Council's Committee of Inquiry into the position of pharmacy. Many points arising under the Pharmacy and Poisons Act, 1933, and the Dangerous Drugs Act, in regard to labelling, containers, records, storage, dispensing, possession, transfer, transport, registration of premises, etc., had been dealt with and matters were settling down as anticipated; other points, partly as the result of Court proceedings, might require readjustment of the Regulations. The position of the pharmacist under the Air Raid Precautions scheme was still receiving close attention. It seemed to be held that, in the event of an air attack, the pharmacist would best render public service by being in his pharmacy. In addition, however, it was thought that he should have some special training and steps were being taken to arrange for this.

Under the Methylated Spirits (Sale by Retail), Scotland, Act, 1937, it had been established that an authorised seller of poisons did not need to be registered by the local authority but must submit a declaration signed in presence of a Justice of the Peace; the necessary form could be had from the Society's office in Edinburgh. Matters arising under the new requirements for registration as apprentices were now under investigation, in consultation with the Council of the Society. The new laboratories and the much extended equipment for examination purposes were giving satisfaction to examiners and, they believed, to candidates. The latter showed no signs of decreasing in number but rather, for the moment at least, of a considerable increase. For the July examinations 894 candidates had entered. A striking feature was the greatly increased number of candidates for the Pharmaceutical Chemist qualification (this time thirty-four); entrants for the post-graduate Diploma in Biochemical Analysis were also maintained. Without the recent extension of premises and equipment it would have been quite impossible to cope with such numbers. In Scotland in 1937-38 the membership was 2,818, the highest yet recorded. The Executive had kept in close touch with the Scottish branches, all of which were in active operation. They had felt it necessary to stress the position of Scotland with

reference to the Society's Benevolent Fund and they understood all the branches were endeavouring to secure a more worthy return of subscriptions from Scottish pharmacists.

### Election of Executive

The resident secretary read the report of the scrutineers. (The results of the voting were given on p. 712 of the C. & D. ANNUAL SPECIAL ISSUE.)

On the motion of Mr. Merson, seconded by Mr. Moncur, the report was adopted and the chairman thanked the scrutineers. The chairman announced that the elected members, together with the president of the Society, the vice-president and Mr. James Jack, Arbroath, as *ex-officio* members, would constitute the Executive for the year 1938-39.

### Discussion

Mr. MILNE asked whether any progress had been made with the War Office as to the position of pharmacists in military service. He had been asked for assistance in procuring a dispenser for a Royal Army Medical Corps rest home, and he wondered whether, in that connexion, it should be indicated that anyone appointed to such a position should have commissioned rank.

THE CHAIRMAN said he was aware that Professor Gunn, while a member of the Council, had gone to a great deal of trouble in representing the case on behalf of pharmacists by interviewing persons in high position, but he did not know whether that had so far had much result.

DR. TAIT said in a recent case where a pharmacist had been acting and assisting practically in Red Cross work along with two other pharmacists, the medical officer in charge had spoken very strongly in favour of the pharmacist as such being recognised and having commissioned rank, and expressed surprise that such recognition had not been given.

THE PRESIDENT said the Council had been trying for years to get something done in the way of proper recognition of the pharmacist as a person who should hold commissioned rank in the Army. These efforts had not yet resulted in any definite success. He would suggest that Mr. Milne might furnish the Executive with particulars of the case he referred to so that the matter might be taken up again and might, through the Executive, be brought before the Council.

Mr. JACK said he would like to supplement what had been said by the President by mentioning that they had intimated that the War Office had decided to set up an Imperial War Auxiliary Service of pharmacists to be associated with the R.A.M.C.

Mr. MILNE said he would have the matter brought to the notice of the Executive through his Branch. He went on to inquire as to the method of dealing with a Schedule 4 prescription; if such a prescription was marked "To be repeated," should it be retained by the pharmacist or must it be handed back to the patient?

It was explained that according to the regulation the prescription ought to be handed back, but the matter was a detail that might be left to the discretion of the dispenser. It was suggested that in copying such a prescription there should be included in the prescription book copy the words "To be repeated," so that an Inspector might know why such a prescription had not been retained.

Mr. HENRY said one practical difficulty was that not infrequently the doctor failed to complete the prescription by putting in the name of the patient and signing his own name as required by the regulations; this sometimes happened when a drug was required immediately.

It was explained that in such circumstances the dispenser must use his common sense, supply the medicine, and get in touch with the doctor afterwards.

Mr. CURRIE asked the correct method of dealing with a Dangerous Drug prescription which was marked "To be repeated three times" without any further specification.

It was pointed out that a Dangerous Drug prescription, as distinguished from a Schedule 4 prescription, must specify the intervals between repeating the prescription; repetition could only be done in accordance with such specification.



## A.R.P. for the Chemist's Shop

THE protection of his business premises, and their contents, against the effects of attack by aircraft is a matter that calls for the careful consideration of every pharmacist. Insurance companies have already notified policy holders that they are unable to cover risks against loss from damage either to property or goods caused by enemy aircraft. It is not proposed to deal in this article with precautions for the safety of the staff of retail shops; the general methods are explained in detail in the Home Office A.R.P. handbook No. 1, "Personal Protection Against Gas" (2nd edition), price 6d.

The chief instruments of attack used by aircraft are (1) high explosive bombs, (2) incendiary bombs, (3) gas bombs, (4) gas spray, and (5) machine guns. The following brief summary of their character and usual effects is based on official publications.

**HIGH EXPLOSIVE BOMBS.**—May weigh from 250 to 3,000 lb. Designed (a) to explode on contact with a hard surface and (b) to penetrate a considerable distance on contact before exploding. Particularly in the cases of direct hits by the heavier delayed action bombs, it is considered extremely doubtful if any useful precautions can be taken to protect the average type of business premises against what would in most instances amount to a total loss.

**INCENDIARY BOMBS.**—This type of bomb is usually small and comparatively light, weighing from 2 lb. to 50 or 60 lb. It is usually filled with six incendiary compounds which ignite upon contact with a hard surface. A small bomb of this character will normally pierce the ordinary type of roof, usually igniting on the floor of the top storey; they are liable to burn their way through to the lower or ground floors. These bombs would be particularly dangerous where they penetrated to the interiors of buildings in which chemicals, acids and similar materials were stored on the upper floors. A common type of incendiary bomb is a canister filled with Thermite, a magnesium alloy, weighing about 2½ lb.

**GAS BOMBS.**—The weight of these bombs vary up to 250 lb. or more, with the poison gas content usually accounting for more than half the total weight. They may contain non-persistent or persistent gases. When liberated, the former is rapidly diluted by admixture with the air; the period for which they continue dangerous after liberation depends upon prevailing atmospheric conditions. Persistent gases continue to give off contaminating vapour for many hours, and even weeks, unless counter-measures are applied. The liberated gas in liquid form would be restricted to a limited area surrounding the explosion, but the vapour may be carried by the wind considerable distances.

**GAS SPRAY.**—Gas, in liquid form, carried in tanks by aircraft may be sprayed over large areas.

**MACHINE GUN FIRE.**—While not anticipated as a common form of aerial attack, spasmodic bursts may have to be contended with, particularly should overhead counter-attack by opposing aircraft take place.

### Home Office Opinion

Of these forms of attack, that of high explosive bombs would, it is thought, be the most difficult to contend with. As already stated, little success is likely to attend precautions to protect ordinary shop premises from total destruction by direct hits. It is, however, considered possible to take measures that would mitigate damage from shell splinters and "blast" from bombs dropped in the vicinity of the premises. The protection of plate-glass shop windows is a most difficult matter. The following reply on the subject, dated May 31, 1938, was received from the Home Office, A.R.P. Department:—

"In reply to your letter of the 25th instant, I am directed by the Secretary of State to say that it is practically impossible to prevent plate glass windows from being broken by the blast and splinter effects of high explosive bombs. The only way to protect them against splinters would be by means of a splinter proof wall in front. A table of splinter proof materials is given in Air Raid Precautions Handbook No. 6. This, of course, is not a practical suggestion where

the windows are required still to be used as such, for unless the wall were built close to the glass and touching the walls of the building the glass would be likely to be broken by blast. Roll steel shutters or shutters of wood about two inches thick might be some protection against blast but would not ensure that the glass would remain intact if a bomb should fall as close as 50 feet away. Moreover, shutters of this description would give no protection against splinters."

### Splinter-proof Materials

The splinter-proof materials referred to in the Home Office communication include steel plates, bricks, concrete, sand, earth and shingle or ballast. While very strong steel wire netting might provide some protection against splinters, it would not mitigate the effects of "blast." It seems that sacks filled with sand or earth might be practicable. A sandbag buttress, according to official specifications, 8 ft. high should be 4 ft. deep at the base tapering off to 2 ft. at the top. The number of bags required would be forty to fifty per foot run, according to their size. A buttress about 15 ft. long would require about 700 bags. The back frames of shop windows, usually of glass and wood, might be covered either with stout boards or very strong steel wire net. The shop entrance door should be treated in the same way. As to the interior of the shop, all liquids should be removed from open shelves and other exposed positions and stored in what is considered to be a safe position. Special protection should be given to liquids of a dangerous and inflammable nature. All glass fittings should be covered with two or three layers of cellulose paper, layered on with a good transparent adhesive, to prevent damage from concussion. Moveable glass show cases should be dismantled and stored away. Alternatively, they should be treated with cellulose paper in the same manner as is suggested for glass fittings, with the addition of a covering of wire netting, fitting as close as possible to the case.

The danger of destruction by incendiary bombs does not need to be emphasised in the case of the chemist's shop. The common type of small bomb is not likely to penetrate more than one floor of a building unless it is allowed to burn its way through. Therefore, stocks of goods should not be stored anywhere above ground-floor level. The evacuated upstairs rooms should contain a plentiful supply of sand or earth and a supply of water should be available. Water and chemical extinguishers should on no account be used to attempt to check a burning bomb; they should be used only to extinguish any fire resulting from the bomb. The only method of checking an incendiary bomb is to smother it with all the sand or earth available. This has the effect of "damping it down": it will then gradually burn itself out. A large sheet of asbestos on a strong wire frame is a good form of protection against the terrific heat and glare given off by a freely burning bomb. A gas mask will afford some protection to the head. In ordinary circumstances it would be impracticable without adequate protection to enter a room where an incendiary bomb was blazing. If the floors of the upper storey can be covered with metal sheeting the immediate effects of an incendiary bomb would probably be restricted to that floor.

It is assumed that in the case of attack by gas bombs or gas spray the personnel of the shop would be protected by their gas masks. Except in the case of contamination by gas in liquid form, goods in glass and metal containers with well-fitting lids would not be likely to be affected. Gas in vapour form might, and probably would, affect goods packed in paper and cardboard wrappings. Such goods are therefore best stored in metal bins with well-fitting lids. If stored in drawers or similar fittings, precautions should be taken to make the latter as gas-proof as possible.

General precautions against air attacks would include severe dimming of all interior lighting. A secondary means of interior illumination should be provided, preferably by dry-battery torches, in case the regular supply is cut off or breaks down. Buckets of sand or earth and shovels should also be at hand. The precautions that may be taken with a view to safeguarding business premises and their contents against the various methods of attack from the air described in this article must be varied according to the nature and character of the building and its immediate surroundings.



## Summer Outings

**BLYTHE & CO., CHURCH.**—Employees of William Blythe & Co., Ltd., chemical manufacturers, Church, spent a half-day at Blackpool as guests of the company on June 18. During the proceedings gold watches were presented to several employees who had completed forty years' service.

**TUNBRIDGE WELLS BRANCH.**—Many members of the Tunbridge Wells and District Branch of the Pharmaceutical Society indulged in bathing and sunbathing at the Hilden Manor Road House on June 15; in the evening one hundred and twenty attended a flannel dance, at which Mr. J. Davidson acted as M.C. Mr. S. Smyth was responsible for the arrangements.

**MIDDLESBROUGH AND DISTRICT ASSOCIATION.**—Middlesbrough and District Pharmacists' Association held its annual outing by motor coach on June 15, touring through Middlesbrough, Rivaulx Abbey (stopping to view), and Helmesley to Byland Abbey, where tea was taken. After some hours amongst the Abbey ruins the party continued to Coxwold to see the ancient church, returning via Thirsk.

**JEFFREYS, MILLER & CO., LTD.**—The annual works outing of Jeffreys, Miller & Co., Ltd. (malt extract manufacturers), Leyland Mills, Wigan, was to Blackpool on June 24. Luncheon and tea were provided, as well as tickets for the tower admission and ascent. Mr. N. Gelder (senior traveller) and Mr. I. Miller (secretary) expressed the thanks of the employees to the directors (Mr. and Mrs. E. T. Hampson, Miss Hampson and Mr. E. J. Hampson).

**COVENTRY AND WARWICKSHIRE BRANCH.**—Members of the Coventry and Warwickshire Branch of the Pharmaceutical Society visited Cheltenham Spa as guests of Ucal, Ltd., on June 16. Leaving Coventry at 1.45 p.m., members were picked up *en route* at Kenilworth and Leamington, and proceeded via Stratford-on-Avon. After a tour of the works, including the new assembly, packing and despatch block, the party took tea with the directors and principal members of the firm. After tea, Mr. Miller welcomed the branch, especially Mr. Hampton, Coventry, one of the pioneers of the firm. Mr. Charles Davis (president) moved a vote of thanks to Messrs. Ucal. Mr. C. H. Walton (vice-president) seconded and Mr. Hampton responded. The return journey was through the Cotswolds via Cleve Hill, Stanway, Chipping Campden and Ilmington.

**BIRMINGHAM ASSOCIATION.**—A garden party in aid of the Birmingham Conference Fund and Pharmaceutical Society's Benevolent Fund was held recently at "Oakhurst," Anchorage Road, Sutton Coldfield, by kind invitation of Mrs. G. E. Lowe, J.P. (until recently a member of Sutton Town Council). The company were the guests of Mrs. Lowe for tea. Games competitions, treasure hunts and a musical programme had been arranged. The following prizes were awarded:—*Darts*, Miss Bright and Mr. Morgan; *Rings*, Mr. Dowell; *Chinese Laundry*, Miss Wells and Mr. Dowell; *Treasure Hunt*, Miss Hayward; *Beans Bags*, Mrs. Scott and Mr. C. T. Thonger; *Ring Quoits*, Messrs. Dennis Barrett and Jim Slater, Mr. Mann and Mrs. Mossman. Evening games in the house of friendship were followed by dancing and supper, which concluded with a conjuring display by Mr. Seager.

**WESTERN (LONDON) PHARMACISTS' ASSOCIATION.**—Members of the Western Pharmacists' Association and their wives were entertained by A. Wander, Ltd., on June 16. Coaches conveyed members from Baker Street to King's Langley, where the company's dairy farm, with its prize herd of Jersey cows, was first visited. The coaches then conveyed the party to the model egg farm, where intensive methods of chicken rearing and egg production were demonstrated, the party finally visiting the factory. Tea was served in the lounge, after which a vote of thanks to Messrs. Wander was proposed by Mr. Gwilym Thomas and seconded by Mr. David T. Jones, who referred to the generosity shown by Sir Harry Hague to the Society's Benevolent Fund. Mr. Young (works manager) replied on behalf of the firm. Before the return journey, which was spent on a "mystery" coach tour through the country lanes of Hertfordshire and Buckinghamshire (pausing at Beaconsfield to visit the toy village of Bekonscot and at Ruislip for supper), the Ovaltine concert and dance hall was visited. (Picture, p. 3.)

## Trade-Mark Applications

(From "The Trade Marks Journal," June 8, 1938)

- "MINNY"; for photographic apparatus (8). By W. Heaton, Ltd., 127 New Bond Street, London, W.1. 584,388.
- "ORTHOLUX"; for optical apparatus (8). By Ernst Leitz, G.m.b.H., 20 Mortimer Street, London, W.1. 584,183.
- "PILOTAY"; for therapeutic lamps (11). By Pilot Radio, Ltd., 87 Park Royal Road, London, N.W.10. 583,865.
- "SANI AIRE" and pine tree (the word "Aire" disclaimed); for ultra-violet ray apparatus (11). By Hanovia, Ltd., Bath Road, Crippenham, Bucks. 584,262.
- "LYANORA"; for perfumery, etc. (48). By Lyanora, Ltd., 54 Gordon Street, Glasgow. 583,864.
- "RITUAL"; for perfumery, etc. (48). By Robel, Ltd., 109 Jermyn Street, London, S.W.1. 584,332.
- "KLANZ"; for perfumery, etc., excluding soap (48). By A. E. Goldman, Ltd., 65-66 Houndsditch, London, E.C.3. 584,486.
- "PAVANE"; for perfumery, etc. (48). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 584,773.
- "LAMBKIN"; for perfumery, etc. (48). By Edward Hack, 73 High Holborn, London, W.C.1. 585,431.

(From "The Trade Marks Journal," June 15, 1938)

- "ROBERTIE"; for all goods (1). By Chemical Building Products, Ltd., 142/152 Vauxhall Street, London, S.E.11. 584,180.
- "FLEURODAL"; for disinfectants (2). By The Hygenol Co., Ltd., 75 Low Road, Hunslet, Leeds. 584,529.
- "SAPETO"; for emulsified tar oil preparation for fruit tree sprays (2). By Bugges Insecticides, Ltd., London Road, Sittingbourne. 584,747.
- "RIDZOL"; for insecticides (2). By Argonaut Varnish & Chemical Works, Ltd., Abbey Road, London, N.W.10. 584,743.
- "ANTOFINE"; for hormones (3). "TAUROLIN"; for preparations for treatment of septic conditions (3). "MEDCOS"; for all goods (3) and (48). By Schering, Ltd., 185-192 High Holborn, London, W.C.1. 583,483/598, 585,172/173.
- "BUTYN"; for medicinal chemicals (3). By Abbott Laboratories, Ltd., 388 St. Paul Street West, Montreal, Canada. 580,424.
- "JECULIN"; for liver extract preparations for anaemia (3). By The Upjohn Co., 301 Henrietta Street, Kalamazoo, Michigan, U.S.A. 580,702.
- "BURNOJEL"; for jellies in treatment of burns (3). By A. De St. Dalmas & Co., Ltd., Junior Street, Leicester. 582,408.
- "REDUCYLENE"; for obesity preparations (3). By Dr. Georg Henning, Komturststrasse 19/20, Berlin, Germany. 584,217.
- "VEGETINE"; for pills (3). By Newbery & Phillips, Ltd., 31 Banner Street, London, E.C.1. 583,817.
- "BURAD" and "DATOMA" for medicinal chemicals (3). By J. Poulson, 329 County Chambers, Birmingham, 2. 584,706/707.
- "DESOL"; for preparations for removal of adhesive plaster (3). By The Plastergon Chemical Co., Ltd., 116 Albion Street, Leeds, 1. 585,224.
- "NOVOFRICE"; for medicinal chemicals (3) and for perfumery, etc. (48). By Boots, Ltd., 37 Station Street, Nottingham. 585,374/375.
- "PNEUMOSTAT"; for hand and electrically operated inhalers (11). By Francis Riddell, Ltd., Warwick Street, London, W.1. 585,182.
- "NAILOID" under hand in circle; for manicure preparations (48). By Alcock Manufacturing Co., 22 Hamilton Square, Birkenhead, Cheshire. B583,636.
- HINDS HONEY AND ALMOND CREAM, label design; for skin lotion (48). By A. S. Hinds, Ltd., 565 Kingston Road, London, S.W.20. 583,813. (Associated.)
- "HELMAR"; for all goods (48). By Helmar, Ltd., 62 Oxford Street, London, W.1. 585,179.
- "BRYLFOAM"; for shampoos (48). By The County Chemical Co., Ltd., North Circular Road, London, N.W.10. 585,414. (Associated.)

### APPLICATION AMENDMENT.

The specification for "RUFANIL" in Class 3, No. 580/712, by Bayer Products, Ltd., has been amended to "Chemical substances prepared for use in medicine and pharmacy, but not including hypnotics or sedatives."

(From "The Trade Marks Journal," June 22, 1938)

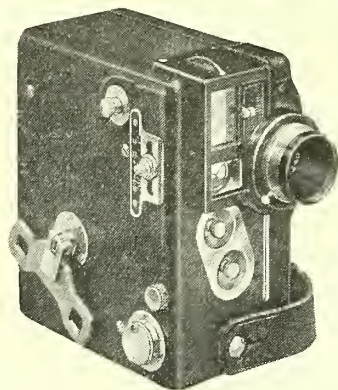
- "W. J. B." in circle of medals (letters "W. J. B." disclaimed); for photographic chemicals, etc. (1), for agricultural chemicals, etc. (2), for medicinal chemicals (3), and for perfumery, etc. (48). "ORISAL"; for manufacturing chemicals (1). By W. J. Bush & Co., Ltd., 28 Ash Grove, London, E.8. 582,253/254/255/256 (Associated), 584,649.
- "PETREX"; for manufacturing chemicals (1). By Hercules Powder Co., 900 Market Street, Wilmington, Newcastle, Delaware, U.S.A. 580,471.



## Trade Notes

**BIOCRIN POMADE SHAMPOO TREATMENT.**—Vine's, 222 Harrow Road, Paddington, London, W.2, are advertising biological oil hair-dressing in this issue. This product is issued in bottles and jars of two sizes.

**DITMAR CINE CAMERA.**—The cine camera illustrated herewith is distributed in this country by Actina, Ltd., 19 Woodstock Street, Bond Street, London, W.1. Known as the Ditmar, it is equipped with a built-in exposure meter of the stepped wedge extinction type visible in the view finder. The controls on the camera enable a wide range of adjustments to be obtained; for example, the shutter may be set for varying film speeds, or if desired a single exposure can be made, while on certain models facilities are afforded for the use of more than one size of sub-standard film. The camera is cleverly designed and of excellent workmanship.



**RELIANCE HOT WATER BOTTLES.**—In the advertising pages of *THE CHEMIST AND DRUGGIST*, June 25, p. 115, a dropped figure under the Cosy Cot Hot Water Bottle made the price read incorrectly. This should have been 1s. 11d. each.

**PHILLIPS' MAGNESIA CREAMS.**—Proprietary Agencies, Ltd., 179 Acton Vale, London, W.3, the makers of Phillips' Magnesia, have issued a new size of Phillips' Cleansing and Texture Creams. Further details are given in our advertisement pages.

**SKOL SUNTAN LOTION.**—We have received from Skol Products, Ltd., 1-3 Rochester Row, London, S.W.1, specimens of the series of new attractive showcards for counter or shelf display to assist the sale of this Skol product, which is issued in bottles of two sizes.

**MACLEANS PEROXIDE SOLID DENTIFRICE.**—A new showcard has been issued by Macleans, Ltd., Great West Road, Brentford, Middlesex, which is intended to promote the sales of this product. Extensive advertising appears regularly for this product and chemists may obtain a copy of the showcard for display purposes on application.

**NEW SLIMMING PRODUCT.**—Ebe Products, Ltd., 11 Diana Place, London, N.W.1, have introduced a new slimming product, which is described as Minus. This product consists of bath salts, each packet of which contains a bath thermometer. Full directions as to the bath salts are given in the carton, which in itself is an effective display piece for counter or window. An attractive showcard can be obtained on application.

**A NEW ANTISEPTIC TABLET.**—A new tablet described as O-R-95 is being introduced in this country by Coates & Cooper, Ltd., 94 Clerkenwell Road, London, E.C.1. Selected advertising matter is being issued, specimens of which we have seen. O-R-95 is intended for use as a local anæsthetic and antiseptic of high potency and low toxicity. Its chemical description is published and details are given of indications for use. O-R-95 tablets are supplied in boxes of twenty.

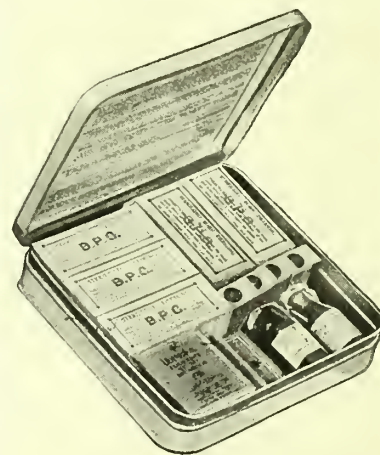
**DR. ROUSSEL LABORATORIES.**—We have received from the Old Strand Chemical & Drug Co., Ltd., Audrey House, Ely Place, London, E.C.1, a copy of a handsome brochure illustrating the laboratories of Dr. Roussel, which comprise the following:—Laboratoire Français de Chimiothérapie, Laboratoire des Proxymates, Laboratoires Gobey. The booklet gives an excellent indication of the extent of three of Dr. Roussel's laboratories. The fourth one, L'Institut de Sérothérapie Hémopoïétique, is the subject of a previous publication. Specimens of this brochure may be obtained on application.

**PROTAMINE INSULIN (WITH ZINC) SUSPENSION.**—Boots Pure Drug Co., Ltd., Station Street, Nottingham, have issued a new booklet on protamine insulin with zinc suspension. This book is issued for the medical profession only, and copies are obtainable from the wholesale and export department. It consists of 20 pages and gives a brief account of the progress from insulin itself to this new form. It is stated in the introduction that this product has been submitted to clinical trials by leading authorities on diabetes mellitus. The new protamine insulin with zinc suspension is issued in two strengths: 40 units per c.c. and 80 units per c.c.

**PROTAMINE INSULIN (WITH ZINC) SUSPENSION.**—A brochure describing Protamine Insulin (with zinc) Suspension has been issued by The British Drug Houses, Ltd., Graham Street, City Road, N.1, and Allen & Hanburys, Ltd., 37 Lombard Street, E.C.3, this product being manufactured conjointly by them. It is a sterile suspension of Protamine Insulin (with zinc) with a reaction of pH 7.1, i.e., approximately that of body fluids, at which reaction the prolonged effect of the Protamine Insulin (with zinc) complex is at its maximum. The potency and sterility of each batch is certified by the Medical Research Council. Protamine Insulin (with zinc) Suspension is issued in 5 c.c. and 10 c.c. vials containing 40 units per c.c., and in 5 c.c. vials containing 80 units per c.c.

**PROFESSOR SMALL'S CAMERA.**—The "Pocket Lens" camera mentioned by Professor Small in his interesting article on "Pocket Lens Photography" (*C. & D.*, June 25, p. 757) is made by W. Watson & Sons, Ltd., 313 High Holborn, London, W.C.1, who have been manufacturers of cameras for technical purposes for over seventy years. The particular camera was built to Professor Small's requirements. It takes plates or film packs  $3\frac{1}{4}$  in. by  $2\frac{1}{4}$  in. The essential features are—rigid and robust construction, sufficient bellows extension, and at the same time the maximum amount of portability. Both the front and the back are rigid and the focusing is effected by means of a rack and pinion motion, in addition to the sliding back body. The maximum extension is 13 in., with a minimum extension of 3 in., The baseboard folds so that the camera can be closed into a compact form of  $6\frac{1}{4}$  in. by 6 in. by 4 in. The front is fitted with the removable lens panel  $2\frac{1}{2}$  in. square, the back is reversible, and the slides provided are of the single metal pattern, which take up very little room when the camera is being used out-of-doors. The general construction of the camera is robust, the material used being of the finest, the body of matured mahogany, the bellows of morocco leather, and the metal fittings heavily lacquered brass.

**ELASTOPLAST WOUND DRESSINGS.**—T. J. Smith & Nephew, Ltd., Neptune Street, Hull, inform us that in accordance with the provisions of the Factory Act and the First Aid in Factories Order, which came into operation on July 1, Elastoplast Wound Dressings size  $1\frac{1}{2}$  in. by 2 in. and 2 in. by 3 in. have been approved by H. M. Chief Inspector of Factories for inclusion in Factory First Aid Cases as an alternative to certain of the sterilised dressings previously included. These new dressings are supplied in special cartons which contain three dressings. To meet the requirements of this same Act and Order, Messrs. Smith have introduced a Paragon Factory First Aid Case No. 125, made up in accordance with official specification for factories employing not more than 10 persons, or in the case of factories where no mechanical power is employed, not more than 50 persons. Supplies will be available early this month.





## Personalities

MR. O. J. BARLEY, M.P.S., Thame, has been elected vice-chairman of the local nursing association.

MR. ROBERT A. LODGE has been appointed sales and general manager of Innox (England), Ltd., London, W.1.

ALDERMAN PERCY KNOTT, M.P.S., has been appointed chairman of the National Health Insurance Committee of the Borough of Bolton.

MR. JOHN HARGREAVES, F.I.C., who has been a member of the Institute of Chemistry since 1879, has been accorded the honour of life membership.

ALDERMAN H. S. DURBIN, chemist and druggist, who was the Charter Mayor of Surbiton, has been elected first president of the Chessington Traders' Association.

MISS F. B. PRINCE, M.P.S. (dispenser at the Nottingham General Hospital) recently gave an address to the hospital Linen Guild on "The Romance of Drugs."

MR. R. A. CECIL OWEN, son of Mr. R. Cecil Owen, B.Sc., M.P.S., 89 Foregate Street, Chester, has taken the degree of M.B., Ch.B. (distinctions in physics and forensic medicine), at Liverpool University.

MISS M. M. BLENNERHASSETT, who has resigned from the position of secretary of the Catholic Pharmaceutical Guild, which she has held for five years, was recently presented with a cheque from fellow members. Mr. A. E. Ferris was appointed *Master* and Mr. J. Thompson *Secretary* and *Treasurer*.

MR. JOHN LAWTON, who is to succeed Mr. Billyard as pharmacist to the St. Marys' Hospitals, Manchester, was apprenticed to G. L. Westmacott, Manchester, and studied at the Manchester College of Pharmacy. He qualified in 1914, and after the war was with several well-known Manchester pharmacists until he became dispenser at the Manchester Royal Infirmary some fourteen-and-a-half years ago.

MR. T. E. EVANS, Ph.C., who was recently elected chairman of the Rhondda Valley Branch of the Pharmaceutical Society, is a native of Rhondda Valley and served his apprenticeship with Mr. E. W. Thomas, Ferndale. He studied at Bath College of Pharmacy and qualified in 1914, taking the Major the following year. After experience with Boots, Ltd., in London and South Wales, he returned to Ferndale and purchased the business in which he had been apprenticed. Portrait, p. 3.

MR. M. K. WATT, who was recently elected president of the Aberdeen and North-Eastern Scottish Branch of the Pharmaceutical Society, was apprenticed in Aberdeen to George Reid & Sons. He qualified in 1896. He was for three years dispenser at the Aberdeen Royal Infirmary and for nine years manager of the Singapore Dispensary. In Singapore he assisted in the formation of the Straits Pharmaceutical Association. In 1909 he returned to Aberdeen to commence business in King Street, later acquiring his present business in Esslemont Avenue. This is not his first term of office, as he was president of the Aberdeen Pharmaceutical Association from 1931 to 1934. Portrait, p. 3.

MR. W. F. BILLYARD, after being for forty-seven years pharmacist at the St. Mary's Hospitals, Manchester, retired on June 30. Mr. Billyard was educated at Boston Grammar School, and served his apprenticeship in that town. He had subsequent experience in businesses at Tunbridge Wells, Guildford, Chester and other towns. He never attended any school of pharmacy or special lectures, and the whole of his studies were carried out at home after his day's work. After qualifying in 1890 he gained valuable experience with Arblaster & Churchills, a then well-known Birmingham business. Mr. Billyard commenced as pharmacist to St. Mary's Hospital, Manchester, at the premises in Quay Street, where he continued for thirteen years until the new hospital at Whitworth Street was built. Since that time he has been in control of the dispensing at both hospitals, and later at the High Street Hospital when it was opened. Mr. Billyard has been for many years an enthusiastic photographer, and many of his photographs of operations and special cases have been used for illustrating text books. For some time he has been residing at Blackpool, whither he will retire. Portrait, p. 3.

## Births

Notices for insertion in this column must be properly authenticated.

ALLAN.—At 18 Walker Terrace, Tillicoultry, recently, the wife of William A. Allan, M.P.S., of a daughter.

CRAWFORD.—On June 21, the wife of W. J. W. Crawford, M.P.S.N.I., Belfast, of a daughter.

## Marriages

BELLAMY—JACKSON.—At St. Mary's Parish Church, Great Baddow, Chelmsford, on June 25, Norman Allen, son of Mr. J. T. Bellamy, Ph.C., Mayor of Chelmsford, to Gwendoline D. Jackson.

BROCKINGTON—PARRITT.—At the Wesleyan Church, Barton-on-Humber, on June 8, Stanley Frank Brockington, M.P.S., South Brent, Devon, to Edith (Kay) Parritt.

CHARLESTON—CRANSTON.—At Musselburgh, on June 11, Robert Charleston, M.P.S., to Alice Cranston.

LYOYD—CURRIE.—At the town church, Guernsey, recently, Alec Ivor Lloyd, M.P.S., State's Arcade, Guernsey, to Joan Allison Currie.

STEDMAN—BEST.—At Christ Church, Eastbourne, on June 20, Philip Edward Stedman, M.P.S., Eastbourne, to Peggy M. A. Best.

## Deaths

ALEXANDER.—Recently, Mr. Charles Cameron Alexander, M.P.S., Kingsmills Road, Aberdeen. Mr. Alexander passed the Pharmaceutical Society's Qualifying examination in 1931 and of late has been on the staff of W. & D. Fraser, chemists, Inverness.

AYRE.—At Perth, on June 19, Mr. George Martin Ayre, chemist and druggist. Mr. Ayre passed the Minor examination in 1887.

BARNETT.—At Springfield, Manor Road, Thames Ditton, on June 12, Mr. Alfred Barnett, chemist and druggist, aged fifty-nine. Mr. Barnett, who was a native of Aberdeen, was educated at Robert Gordon's College. For some time he was associated with the firm of C. Lowe & Co., chemists, Surbiton, but after qualifying he commenced business on his own account in Hounslow. Later on he opened a pharmacy in Bermondsey. He was a keen golfer and had many friends among members of local golf clubs. He is survived by a widow, three sons and two daughters.

ELBOZ.—Suddenly, at 94 Ferndene Road, London, S.E.24 on June 24, Mr. Lewis Elboz, proprietor of L. Elboz & Son, London, S.E., aged forty-eight.

KIRK.—Recently, Mr. William Kirk, M.P.S., 92 Falmouth Road, Heaton, Newcastle-on-Tyne, aged sixty-seven.

LANE.—On June 19, Mr. Frederick John Lane, M.P.S., Manton Way, Galpins Road, Thornton Heath, aged seventy-six.

MARPLES.—Recently, Mr. Thomas Marples, M.P.S., Baslow, Bakewell. Mr. Marples passed the Minor examination in 1888 and was for a time in business at Carbrook, Sheffield, retiring in 1917.

ROWE.—At Starcross, Devon, recently, Mr. Frank Rowe, M.P.S., aged seventy-two. Mr. Rowe was a former member of the Kenton parish council, and his services, extending over twenty years, as a warden of St. Paul's Church had been recognised by a presentation to him by the church council, of which he was made a life member. He was a Freemason and a Past Master of the Salem Lodge (No. 1443), Dawlish. Last year Mr. and Mrs. Rowe—who survives him—celebrated their golden wedding.

WILSON.—Recently, Mr. Alexander Wilson, M.P.S., 86 Oxford Street, Manchester.

WITHER.—On June 9, Mr. William Matthew Wither, M.P.S., Egerton Street, Liverpool, aged sixty-four.





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THE CHEMIST AND DRUGGIST

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(Reprinted from The Chemist and Druggist, June 27, 1936)

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## Information Department

INFORMATION WANTED

M/28 Belcroy feeders	O/30 Nu-Creme
W/29 Cannux (for rheumatism)	F/14 Johnson's Goodwood
M/26 Dr. Bradie's Kanotox	horse condition pow-
W/20 Hope's Restine	ders
B/3P No-Nek-Tan	D/30 Roxy bathing caps



# THE CHEMIST AND DRUGGIST

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NO. 3047

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## London Drug Auctions

FOR some time past the number of lots sold "under the hammer" at the London Drug Auctions, held at the Commercial Sale Rooms, Mincing Lane, has been steadily decreasing. Recently, owing to the disappointing results some brokers have not put up their usual catalogue of goods, feeling, no doubt, that prevailing conditions did not justify the expense. At the auction held in June there were only seven catalogues, but the selection of goods listed was fairly comprehensive and representative. However, the response from buyers was again negligible, the sales from the rostrum being chiefly limited to moderate quantities of benzoin, buchu, cardamoms, guaiacum and honey. One lot of myrrh was sold prior to the auction, a practice which of late seems to be on the increase, but which would have been looked upon with disfavour in past years. And, as usual, a number of lots were sold privately after the sale. The question has now arisen as to whether the auctions are worth while: do they serve a useful purpose, and opinion is divided among those chiefly concerned.

It is a peculiar thing that, despite the fact that the auctions have become little more than a bi-monthly review and call-over of the chief London stocks, the leading consumers and merchants still make a point of viewing the goods in bulk at Cutler Street warehouse and inspecting the bench samples in the brokers' sale rooms prior to the auction, making the usual catalogue reference notes of quality, description, etc. This procedure is not carried out simply as a matter of custom on the part of buyers; the marked catalogues are in regular use in the course of succeeding weeks' business.

At one time London was the acknowledged world mart for crude drugs, a position largely established through the bi-weekly auctions. Unfortunately, a number of circumstances and changed conditions in world and internal trade have arisen which, combined, make it improbable that London or any other commercial centre will again become the world market for these raw materials. There is not to-day that freedom of movement in world trade that was enjoyed only twenty years ago, when goods could easily and cheaply be transported from any source to one world centre and then despatched to almost any destination, without let or hindrance. Now almost every country has in operation a tariff wall against imports, which, in many cases, is aggravated by licence and quota systems. Currency restrictions are becoming almost a general rule, with buyers finding it increasingly difficult to send money out of their countries. Certificates of origin, which in most cases must come from the original shippers or producers, are a common feature. International trade has never been so complicated and hedged in with barriers. Such conditions were bound to affect the London entrepôt trade in these commodities. The introduction in this country of the Import Duties Act, 1932, levying a general *ad valorem* duty of 10 per cent. on all imports (with special exceptions), has been the cause of considerable loss to London's seaboard trade in drugs. Customs do not allow drawback of the duty paid on imports, while the cost of holding goods "in bond" to cater for re-export business is prohibitive, and there are no facilities for re-packing. Even in London that freedom to move goods quickly and with the minimum of expense no longer exists.

As to the lack of buying at the drug auctions by consumers at home, the fashion of openly bidding at the sales has given place to a system of purchase by private treaty. The reason for this general change in policy is stated to be a desire not to disclose this side of their business activities to their competitors and the trade generally. In some instances the larger consumers dispense with the services of the merchant or broker by doing the business in a few products direct with the shippers at the sources and importing themselves. This may prove economical, provided upon arrival here the goods are found to be of satisfactory quality. Where shipment is not effected according to contract or the quality of the goods is below standard, the results for the importing consumer are not so happy.

Internationally, the drug auctions are now of minor importance, due, solely, to the muddled and chaotic state of world trade, yet, on account of the stability of sterling and the confidence it carries with buyers and sellers throughout the world, a good business in these commodities is still done through London. The crude drugs market is composed of a large number of products, very few of which, individually, are even of secondary importance, while the world consumption of most of them is restricted to a few tons annually. There is no single article such as tea, cocoa, rubber, metals, etc., worth making a standard market of either in London, New York, or elsewhere. The prospects of a return to free world markets which would allow shippers again to use the London broker as the medium for world distribution of crude drugs appear to be remote. It seems, unfortunately, that a continuance of the drug auctions in coming years will be chiefly in the nature of perpetuating a custom of bygone days. London, however, will continue to be the world's leading market for these commodities.



## Organisation of Pharmaceutical Employees

THE statement issued by the Council of the Pharmaceutical Society of Great Britain in relation to conciliation machinery for pharmacy, which appeared in last week's issue of the *C. & D.* (p. 734), will have been read with some degree of satisfaction. For it is an indication that the Council of the Society has become conscious of the unsatisfactory state of affairs in relation to qualified pharmaceutical employees. Now that the number of qualified chemists who pay an annual fee to the Society for the privilege of practising their profession is considerably greater than the number of employer pharmacists, the time has arrived that the position be officially seriously reviewed. As has been pointed out in these columns on several occasions recently, conditions in the drug trade have changed enormously for the qualified assistants. Organisation among employees was at one time not considered necessary in view of the fact that the ultimate aim of the majority of qualified assistants was to have their own business and in their turn become employers of labour. To-day, this no longer holds good. The majority can never hope to become proprietor chemists, but must act for either a corporate body or for another chemist in the capacity of manager or qualified assistant. It cannot be too often repeated that the qualified chemist to-day is officially recognised in law and without him the large organisations or chain stores of this country could not carry on business. For this reason, therefore, if for no other, it is imperative for chemists' assistants to become an organised body. It has been seen that little has been effected towards the betterment of payment for the chemists' work and it would undoubtedly be a material assistance to the trade generally if the chemists' assistants' organisation could support employers in their demand for improved methods of payment by the Government, for example. There are, of course, serious difficulties in the way towards the formation of such an organisation, and the greatest of all is apathy. Another is the building up of adequate funds, without which no organisation could even hope to succeed. In the statement referred to in the beginning of this article, it is pointed out that the Society cannot utilise its funds for the formation or maintenance of employees' organisations or of employers' organisations separately. This is common knowledge. The conclusions arrived at in the statement are commendable in their clarity of expression and in the method whereby the facts of the position of the Society in relation to assistants is explained. Obviously, the Society cannot operate on behalf of those who are not associated in some way with it. Yet, it is difficult to see how an organisation of employees can be formed and function for qualified chemists only. The question as to what to do with "the great unqualified" has always been a problem in the trade and, it may be added, one which was conveniently ignored in the past.

The time is coming when a decision must be arrived at as to what exactly can be done for the qualified pharmaceutical employees. They are small in numbers if compared with workers in other branches of industry, but the Pharmacy and Poisons Act of 1933 has given them a power which, if exercised judiciously might improve conditions of affairs, not only from their own point of view but from that of the pharmaceutical employers who by themselves are apparently powerless to raise the status of pharmacy in the scheme of medical service in this country. It may have been noticed that in the daily Press an advertisement appears by the British Medical Association relating to National Health

Insurance. It is obvious that the medical profession do not intend to let any opportunity slip for consolidating their position. When the question of adequate payment for pharmacists arises in Insurance Act dispensing, then employers and employees would find this a common ground and a pharmaceutical organisation of employees would be specially advantageous in supporting any scheme for improved conditions in pharmacy for all.

## Employment of Women and Young Persons

WITH the coming into force on July 1, 1938, of the Factories Act, 1937, employers may have to reorganise the working hours of their staffs. The new statutory provisions are aimed at, among other things, the amelioration of the conditions of labour relating to women and young persons. In such cases the maximum number of hours (excluding intervals for meals and rest) is fixed at nine hours per day and forty-eight hours per week. The period of employment, that is to say, the period between the time when work is commenced and the time when work ends, must not exceed eleven hours. The earliest hour for commencement of work is fixed at 7 a.m., and the latest hour by which work must cease is 8 p.m. on a weekday and 1 p.m. on a Saturday. In the case of a young person, however, work must not continue beyond 6 p.m. on a weekday. Further, in the case of a young person, a forty-four hour week is the maximum permitted by the new Act, though this may be increased to a forty-eight hour week in certain circumstances if the Secretary of State so directs. As regards overtime employment, this is limited to 100 hours in any year and six hours in any week, and there must be no overtime at all in at least twenty-seven weeks in the year. There are certain rules for the calculation of overtime, and regard must be had to every period in which any woman or young person is employed. No overtime at all must take place in the case of a young person under sixteen years of age, and overtime may be prohibited or restricted by the Secretary of State in the case of other persons if he is of opinion that overtime would be prejudicial to their health. Perhaps one of the most interesting features of the new requirements with regard to the employment of women and young persons is the necessity of providing a break in the course of the day's work. The maximum spell of work is fixed at four and a half hours, though it may be increased to five hours if a ten-minute interval is allowed, and further, there must be an interval of at least half an hour after a continuous spell of four and a half hours. Experience has shown that a short break is in the interest not only of the employee but also of the employer, and a ten-minute interval in a four and a half hour spell is strongly advocated by bodies and industrial psychologists as being more conducive to a better output. The human machine is all the better and runs more smoothly after short but more frequent refreshers.

## New Books

Jordan, C. B., and Dekay, H. G.—*Qualitative Analysis for Students of Pharmacy and Medicine*. 5½ in. by 8 in. Pp. 178, 15s. McGraw-Hill Publishing Co., Ltd., Aldwych House, London, W.C.2. [This is the second edition of the book, which has been completely revised in accordance with later revisions of the U.S. Pharmacopœia and National Formulary.]

*Omnibus of Marketing and Packaging, 1938*. 12 in. by 9 in. Pp. 314. 30s. Creative Journals, Ltd., Museum Station Buildings, 133 High Holborn, London, W.C.1. [This handsomely produced volume is essentially a revision of the "Packaging Omnibus" published in 1936, with the addition of a new section on marketing. The latter contains, among other things, an ingenious diagrammatic guide to the usefulness, to advertisers, of some of the leading national daily and weekly newspapers. "Merchandising and Packaging" is the title of a complete section in which the markets for eleven classes of goods, including beauty preparations, household goods, medicinal and toilet requirements, are reviewed by industry. The technical section is as comprehensive a guide to the materials used in containers, and their special suitabilities, as the title of the volume suggests. There are 540 illustrations.]



# Recent Research

## Chemical Assay of Vitamin B<sub>1</sub>

M. PYKE ("Nature," No. 3582, p. 1141) shows that the quantitative measurement of vitamin B<sub>1</sub> (by fluorescence of the thiochrome produced from vitamin B<sub>1</sub> on treatment with alkaline ferricyanide) gives results which are too low owing to incomplete extraction. Vitamin-B pyrophosphate is insoluble in isopropyl alcohol and is therefore omitted in chemical assay. In consequence, yeast preparations may, on chemical assay, appear inert, though known to have the usual activity of 6-10 International Units per gram of vitamin B<sub>1</sub>.

## Synthetic Œstrogenic Compound

INVESTIGATIONS into the œstrogenic activity of a synthetic compound, 4:4'-dihydroxy- $\alpha$ : $\beta$ -diethylstilbene (diethylstilbœstrol) have revealed that the substance possesses a similar action to œstrone on the uterus of ovariectomised rats, on the vagina and uterus of immature rats, and on the feathers of capons (Dodds, Lawson and Noble, "Lancet," June 18, 1938, p. 1389). These workers found that this compound was approximately two and a half times as active as œstrone when assayed by the vaginal-smear test on ovariectomised rats, but they believe that it has an appreciably less stimulating action on mammary tissue.

## Constitution of Shellac

H. WEINBERGER and W. H. Gardner ("Industrial and Engineering Chemistry," 30, 4, p. 454) have investigated the chemical composition of the shellac resins as separated by fractionation with solvents. The largest fraction consists mainly of two resin acids in practically equal proportions, these being aleuritic acid [C<sub>17</sub>H<sub>22</sub>(OH)<sub>2</sub>COOH] and lactic lactone [C<sub>11</sub>H<sub>12</sub>(OH)(COO)COOH]. These correspond to a single inter-ester of definite basicity formed by condensation of one molecule of each of the acids with elimination of one molecule of water. The second fraction also has values which indicate that it consists of a single inter-ester, but in this case a third acid (kerrolic acid, C<sub>13</sub>H<sub>12</sub>(OH)<sub>2</sub>COOH) is included in the condensate with aleuritic acid and lactic lactone. Two other fractions were a mixture of components (free acids and coloured matter or dye).

## Benzedrine Colour Reaction

THE rate of excretion of benzedrine has recently been examined to ascertain the duration of the action of the compound (Richter, "Lancet," June 4, p. 1275). In certain individuals the effects of benzedrine appear to be transient, while in others they may persist for even more than twenty-four hours. Doses of 20 mg. of benzedrine sulphate are only excreted to the extent of 30-50 per cent. in some subjects, and the base may even be detected in the urine forty hours after administration. The method adopted by Richter is, briefly, as follows: The urine is shaken with petroleum ether and caustic soda solution. After shaking and separating the petroleum layer is centrifuged. A solution of picric acid is then added. The mixture is allowed to stand for twelve hours so that picrates of basic substances of the urine separate. The clear solution is then compared with a series of standards containing known amounts of benzedrine.

## Vitamin-D Policy

THE advisability of adding vitamin D to foodstuffs is discussed by A. W. Knapp ("Chemistry and Industry," 57, 24, p. 558). It is pointed out that the minimal requirements to supplement normal diet in infants vary from 135 to 750 International Units a day. In England the recommended "additional" vitamin D for prevention of rickets is reckoned as 1,000 to 2,000 International Units. For adults 500 International Units is assumed as a convenient figure for the average requirement. A one-year-old infant consuming a quart of milk per day receives some 57 to 114 units, whilst adults obtain only 210 International Units in summer when the vitamin content of milk, eggs and butter is high. The question is raised as to whether food producers should enrich their products with vitamins. The practice of the producer or manufacturer adding vitamins would result in confusion as to

who is to determine how much and how many vitamins are to be added. The choice of a single foodstuff (milk, liquid or evaporated) as the recognised vehicle for fortification (e.g., with vitamin D) may be the solution of the problem. Assay must be made to give guarantee of ideal potency.

## Atomic Weight Revisions

In the eighth report of the Committee on Atomic Weights of the International Union of Chemistry, Paris, which has just been issued, the following changes have been made in the table of atomic weights:—

Hydrogen	...	...	from 1.0078 to 1.0081
Helium	...	...	from 4.002 to 4.003
Carbon	...	...	from 12.01 to 12.010
Molybdenum	...	...	from 96.0 to 95.95
Erbium	...	...	from 167.64 to 167.2
Tungsten	...	...	from 184.0 to 183.92
Osmium	...	...	from 191.5 to 190.2

The third report of the Committee on Atoms, published concurrently, states that during the past year knowledge of the relative abundance of isotopes has been greatly advanced by the work of Nier, using a specially designed apparatus. Rare isotopes of tungsten (180) and osmium (184) have been discovered. Electrical measurements, the report states, indicate the absence of certain isotopes previously reported and give more reliable figures for the abundance of the other isotopes. Accurate analyses of lead have revealed unexpected variations in its isotopic constitution.

## Activity of the Sheep Tick

OBSERVATIONS by J. Hendrick, W. Moore and G. D. Morison ("Nature," No. 3571, p. 649) indicate that the sheep or grass tick (*Ixodes ricinus*, L.) is not completely inactive in winter as is usually assumed. In the investigations in the Deeside area, near Aberdeen, ticks were found upon hares in the first week in April, 1937 (previous to the sheep being placed on the hill). The sheep were attacked as soon as they were grazed, the infestation progressively increasing to a peak in July. Thereafter there was a gradual decrease, but there was still an average infestation of 0.5 ticks per sheep when they were removed in late November. The worst snowstorm for many years occurred in December, 1937, and it was presumed that the ticks would become inactive for the remainder of the winter. However, two stags shot on January 12, 1938, had ticks attached, one fully engorged female evidently becoming attached ten days previously when the ground was still covered with snow. A flock of sheep on a tick-infested pasture on another hill showed an average of 1.5 adult female ticks attached to the head and neck and bare skin beneath the legs, in addition to large numbers of males, nymphs and larvæ.

## Methallyl Chloride as an Insecticide

C. J. BRIJËR ("Nature," No. 3581, p. 1099) has investigated the properties of methallyl chloride (CH<sub>2</sub>=C(CH<sub>3</sub>)CH<sub>2</sub>Cl) in killing insects in stored products. The corn weevil (*Calandra granaria*, L.) was killed by a concentration of 18.75 gm. per cubic metre applied for twenty-four hours at 18° C. The insects were not dead on fumigation, but the compound proved to have a strong after-effect so that all the insects were killed within a few days. Eggs, pupæ and larvæ were also destroyed, whilst imagines of *Calandra* placed in the centre of a bag of wheat were easily reached and killed by the gas. Five kilograms of methallyl chloride (evaporated in a gas chamber of seventy cubic metres capacity) sufficed to exterminate *Calandra* in wheat and maize, *Ephestia elutella*, Hb. and *Paralipis gularis*, Z. in cases of currants and apricots. Tens of thousands of cocoa moth (*Ephestia elutella*) in a cocoa storage loft were killed by the same treatment. The great majority of plants are not damaged when methallyl chloride is used as a soil insecticide. The larvæ of the cockchafer were killed by a dose of 25 grams per square metre distributed in four holes. Methallyl chloride is manufactured from petroleum hydrocarbons. It is a colourless liquid with a specific gravity of 0.925 at 20° C. and a boiling point of 72° C. Evaporation takes place readily at ordinary temperatures.



# Medical Abstracts

## Obliteration of Birthmarks

A METHOD of obliterating birthmarks by a simple sclerosing injection has been tried out successfully by Kaessler ("Journal of the American Medical Association," May 14, p. 1644). Because of their cosmetic significance and also their tendency to bleed, this worker maintains that birthmarks should be eradicated early in life. Some of the previously tried treatments for birthmarks are recalled; these include electrical desiccation, carbon dioxide snow refrigeration, heat and chemical cauterisations, but these are described as drastic measures which produce sloughing and, occasionally, scar formation. Among the sclerosing agents which have been employed are 5 per cent. chloral hydrate solution; 25 per cent. quinine hydrochloride and 25 per cent. antipyrine solution; quinine hydrochloride and urethane solution; 30 per cent. sodium salicylate and invert sugar solution. The present worker reports that birthmarks can be treated effectively and inexpensively with 20 per cent. quinine dihydrochloride and urethane solution diluted with an equal part of 2 per cent. procaine hydrochloride solution containing adrenaline. This solution was found to be painless and superior to other methods employed. In the group of cases treated no systemic reactions were observed, and the sloughs which occurred in a few patients, whose ages ranged from two weeks to three years, healed without significant scarring. Birthmarks on many different parts of the body were treated by this technique, and the author of the report states that there were no recurrences after from two to four and a half years.

## Solubility of Silica

IN contrast to the older theories, which attributed the cause of silicosis to some sort of mechanical injury by sharp silicious particles, it is now believed that the pathogenicity of silica in relation to the disease is more probably associated with the solubility of the substance. As it has been found that when powdered silica is coated with iron it is rendered innocuous, and owing to failure to produce lung fibrosis with carborundum powder, this mechanical theory has more or less been abandoned. It is believed that if the action of silicious dusts be caused by their solution, the minute particles in a silicotic lung tissue must dissolve in tissue fluids. Investigations into the question of the solubility of silica have recently been made by King ("Lancet," May 28, p. 1236), who has summarised his findings in a table, part of which is as follows:—

SOLUBILITY OF SILICA AND SILICATE DUSTS

Substance	Mgm. of SO <sub>2</sub> per 100 c.c.	Liquid
Amorphous silica ..	10.0	Water
Amorphous silica ..	14.0	Pleural fluid
Amorphous silica ..	9.0	Blood serum
Quartz .. ..	4.3	Water
Quartz .. ..	9.1	Ascitic fluid
Quartz .. ..	8.9	Blood serum
Fuller's earth ..	1.4	Ascitic fluid
Kaolin .. ..	0.7	Water
Talc .. ..	0.8	Ascitic fluid

The presence of small quantities of calcium hydroxide increase the solubility of quartz, but large amounts almost completely depress it. Calcium carbonate, on the other hand, being less soluble and less alkaline, does not have the same lowering effect on the silica solubility. Similarly, other metals and their oxides produce a lowering of the solubility; thus, finely divided metallic aluminium, present to the extent of 1 per cent., reduces the solubility of powdered quartz almost to nil. Different specimens of shale act similarly, and have 40 to 60 per cent. depression on the solubility of quartz. Coal dusts have also been shown to exhibit the same phenomenon, and one authority on the subject states that "silica dust is apparently rendered harmless if breathed with a sufficiency of certain inert dusts such as coal dust." It should not be supposed, however, that silicosis can be explained in such simple

terms as tissue reaction to a toxic substance provided by the dissolving silica. The aetiology of the disease is, as yet, very inadequately understood, and the silica solubility is only one aspect of a very complex phenomenon.

## Contrast Stain for Gonococci and Meningococci

A METHOD for the contrast staining for gonococci and meningococci which considerably facilitates the detection of these organisms in smears is described by Sandiford in the "British Medical Journal," May 28, p. 1155. With the procedure outlined below the cells and nuclei are stained bluish-green, Gram-positive organisms purple-black, and Neisseriae red.

### STAIN

Crystal violet	...	...	1 gm.
Alcohol (98 per cent.)	...	...	20 c.c.
Ammon. oxalat. aqueous (1 per cent.)	...	...	30 c.c.

**Technique.**—Leave the stain in contact with the film for half a minute and wash off with Lugol's solution. After half a minute blot and decolorise with acetone for a few seconds; wash.

### COUNTERSTAIN

Malachite green	...	...	0.05 gm.
Pyronine	...	...	0.15 gm.
Distilled water	...	...	to 100 c.c.

Cover the film with the counterstain for two minutes, flood off with water and blot. It is found that the two solutions do not keep for very many weeks.

## Pneumonia Treated by New Drug

THE successful preliminary clinical trials of a new synthetic drug in the treatment of pneumonia are described by Telling and Oliver ("Lancet," June 18, p. 1391). The drug, which is 2-(*p*-aminobenzenesulphonamide) pyridine, and is also known as "M. & B. 693," has been previously shown to possess a remarkable action on pneumococcal infection in mice ("Lancet," May 28, p. 1210). When the new compound is administered to the patient the pneumococci in the sputum lose their capsules, with a consequent loss in virility, as it is this capsule which affords protection for the organism against the white blood corpuscles. By passing the degraded pneumococci through mice, it was found that the capsules were recovered and the organisms regained their original type specificity. The patient was a woman of sixty-five, who contracted a Type III pneumococcus infection. From the severity of her symptoms—pain and high temperature—it was decided to undertake a bronchoscopy to relieve the collapse of the left lung. While the operation was in progress the patient's condition became critical, and on the following day the first dose of 1 gm. of "M. & B. 693" was given orally. The next day this dose was again given at intervals of four hours, and the day after, as her condition was becoming more serious, the compound was reduced to three doses of 1 gm. During the following thirty-six hours six injections of strychnine gr. 1/30 were given. For two further days "M. & B. 693" was given in doses of 0.5 gm. three times daily, after which there was a steady improvement in her condition, and four days later her temperature, pulse and respiration had returned to normal. During the use of the new drug no toxic effects were noted.

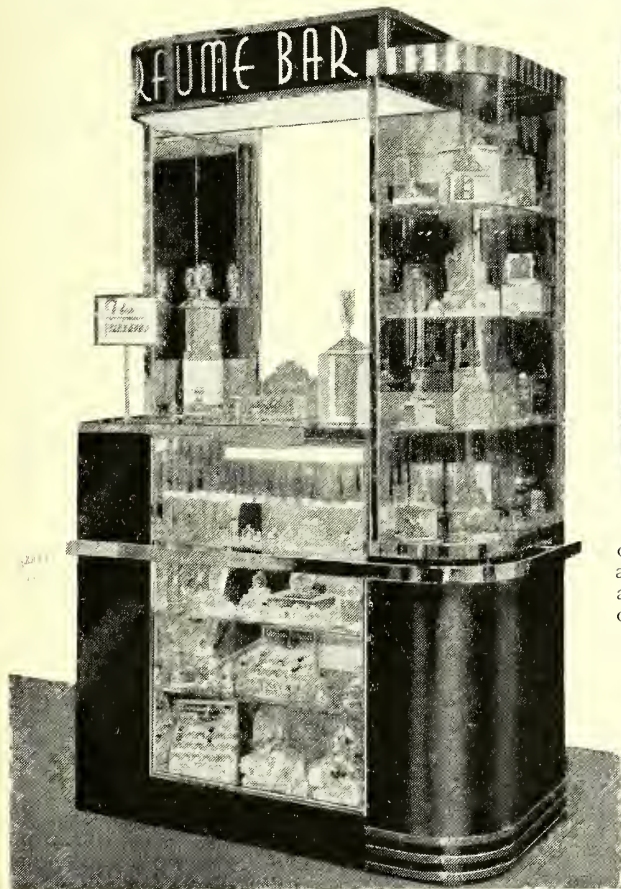
Since this recovery, two other cases of pneumonia have been treated with "M. & B. 693." One was a man of sixty who had a Type XI pneumococcus infection, and to whom the drug was given on the fourth day of onset of the disease. He responded rapidly, his temperature falling to normal and remaining so within twelve hours. In the other case, a diabetic aged thirty-four, there was a Type I lobar pneumonia infection. On the second day of the disease "M. & B. 693" was administered, with a resultant fall in temperature which afterwards remained normal. Rapid disappearance of the pneumococcal organisms in the sputum was noticed. If this effect of decapsulation of the organisms be constantly observed a sound explanation of the therapeutic action of these new synthetic chemical substances will be afforded, although it will still be necessary to discover the mechanism by which this action is effected. See also C. & D. ANNUAL SPECIAL ISSUE (June 25), p. 711.



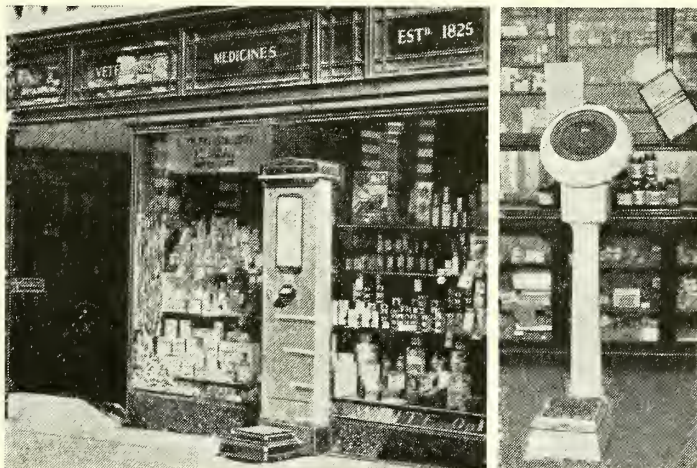
# Shopfitting and Display Notes

**PERFUME KIOSK.**—A perfume bar in the form of a self-contained kiosk 4 ft. wide, 2 ft. deep, and 6 ft. high, suitable for use as an island showcase, has been brought out by the United Drug Co., Ltd., Nottingham. The stand, planned by Mr. David A. McCowan, a Canadian designer, is constructed in black

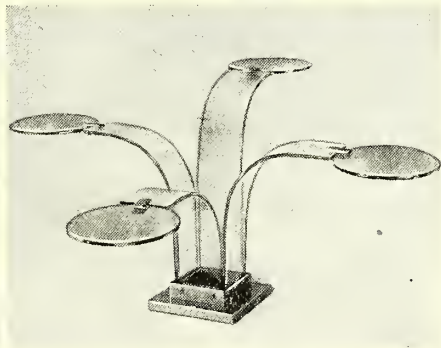
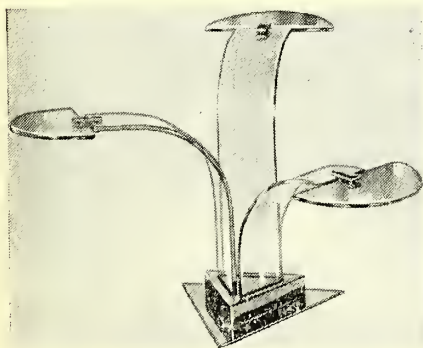
of the highest curved support is 17 in. Glass shapes are attached to the curved supports by two-way metal clips having screws which are tightened by a coin. Circular, semi-circular or other shapes can be used either plain or coloured. Gold or peach-tinted glass looks effective in this type of stand. The stands are obtainable from Sasca, Ltd., London.



lacquered metal, chromium-plating and glass. Lighting is from concealed sources, and is used in conjunction with blue mirrored glass. Space is provided for immediately accessible storage of reserve stock, so that quick replacements of displayed articles can be effected. An assistant serves from the back. The canopy above has a luminous under-surface.



**COIN-OPERATED WEIGHING MACHINES.**—The two main classes of coin-operated weighing machines are those which indicate the weight on a graduated dial and those which deliver a printed ticket. Both types are offered by the Soho Automatic Machine Co., Ltd. The base area occupied by the machines is small, ranging from two square feet for



**PERFUMERY DISPLAY STANDS.**—Stands consisting of curved glass supports fixed to triangular or square bases by rubber-tipped screws have recently been introduced. The screws can be concealed (as on the triangular based stand) by a metal cover, or left visible (as on the square-based stand). The height

the self-indicating machines to four square feet for the ticket printers. Most of the machines are adequately protected against the weather, and are therefore suitable for indoor or outdoor positions. The self-indicating types are easily movable, and may in consequence be used inside the shop during the day and outside at night. Both types are fully automatic in operation and, beyond maintenance of the supply of tickets and emptying of the cash-box, require no attention.

**RESISTANT MATERIAL FOR DRAINING BOARDS.**—Illustrated above is a draining board which has been in use in a photographic dark room for four years without deterioration, though constantly wetted with corrosive and caustic chemicals. The material of which it is made is Tufnol, a synthetic-resin material manufactured by Ellison Insulations, Ltd. It is issued in sheets, tubes or rods for fabrication into a variety of finished articles. The manufacture of finished articles is not undertaken by the makers.



## Liability for Negligence

IT is a general principle of the law that a person can be made responsible only for his own negligence and for the negligence of his servants or agents, so long as the latter are acting within the scope of their employment in the former case and the scope of their agency in the latter. But where a person engages an independent contractor to do something for him, he cannot be made responsible for the negligence of the independent contractor or of the independent contractor's servants, for the independent contractor is neither the servant nor the agent of the person who has engaged his services. But there is an important exception to this rule, and as it is one that is likely to affect an extremely large number of persons, it should be carefully noted, particularly as there is a somewhat widespread notion that no liability would be incurred in such circumstances.

### Unguarded Cellar Flap

The case in question that emphasises this exception is *Daniell v. Rickett, Cockerell & Co., Ltd.*, and another, and it was determined recently. In this case, a householder had ordered a firm of coal merchants to deliver coal at his premises. For this purpose, the cellar flap which was on the pavement outside the house, had to be raised, and instructions were given to the coalman to load his coal into the cellar through the opening in the pavement. The carman removed the cellar flap, which was left unguarded momentarily while he went to the coal cart to fetch a sack of coal. On the day in question there was a strong wind accompanied by rain, and the plaintiff, who was walking along the pavement holding her umbrella against the wind, fell into the hole and was injured. The Court was of opinion that there was no negligence on her part, since a person walking on a pavement was entitled to assume it would be in its ordinary condition, with the coal flaps well secured, unless due warning to the contrary were given. And such a warning, in the view of the Court, ought to be given whenever a coal flap is removed and left unguarded. The servant of the coal merchants was accordingly negligent and the firm liable, but it was contended that the householder was also liable, notwithstanding that the coal merchants were not his servants or agents, but were merely independent contractors.

### Responsibility for Negligence

The principle to be deduced from this case is that a person who authorises another to do something on a highway which may be dangerous to persons using the highway is responsible for the negligence of that person, even though the latter merely stands in the relationship of an independent contractor to him. Thus, in the leading case of *Penny v. Wimbledon U.D.C.*, 1899 2 R.B. 7, where a pedestrian on a highway was injured in consequence of a heap of soil being negligently left unlighted and unprotected in the roadway, the Lord Justice said: "When a person employs a contractor to do work in a place where the public are in the habit of passing, which work will, unless precautions are taken, cause danger to the public, an obligation is thrown on the person who orders the work to be done to see that the necessary precautions are taken, and that if the necessary precautions are not taken, he cannot escape liability by seeking to throw the blame on the contractor." So in the case under consideration, as the householder had, at any rate, impliedly authorised the coalman to lift the flap, and to do something on the highway which might cause danger to passers-by, he had thereby instructed him in the performance of a duty which was incumbent on himself (the householder), and he was accordingly liable for any damage caused by breach of the duty thus delegated. Similarly, a householder may be made liable for damage caused through objects, such as signs, suspended over the highway, falling and injuring passers-by, even though it was an independent contractor who fixed the object, and whose negligence was responsible for its fall (*Tarry v. Ashton*, 1876, 1, Q.B.D. 314). The obvious course, therefore, for every occupier of

premises to take is to see that he is covered against risks of the sort by his householder's or other insurance policy; and in cases where standing orders are given to independent contractors, such as coal merchants for coal deliveries, for example, the independent contractor might be made as part of the terms of the contract to enter into an express agreement to indemnify the householder against claims in respect of which the householder may be made liable to third parties, notwithstanding that the acts in question were caused solely through the negligence of the independent contractor or his servants.

## U.S.A. Crude Drug Imports

THE following details of imports of crude drugs and botanicals into America during the past four years have been issued by the Department of Commerce, Washington:—

Item	1934		1935		1936		1937	
	lb.	\$	lb.	\$	lb.	\$	lb.	\$
Cinchona bark ...	1,690	668	1,618	631	2,051	745	1,836	761
Quinine sulphate* ...	1,611	688	1,442	646	1,565	765	1,340	677
Other quinine products* ...	1,759	647	2,416	415	2,180	545	2,625	534
Papain ...	111	189	116	215	204	229	180	205
Cod-liver oil† ...	3,470	2,191	4,607	2,975	5,790	3,547	5,916	3,867
Menthol ...	425	848	282	654	342	831	459	1,087
Agar ...	465	156	451	162	625	275	704	418
Pyrethrum flowers ...	10,583	2,059	15,578	2,042	11,757	943	20,092	2,204
Liquorice root... †	53,013	938	59,731	1,134	55,161	1,037	69,600	1,353
Liquorice extract ...	561	86	691	111	709	104	740	64
Opium, crude ...	134	554	88	407	171	709	184	663
Psyllium seed ...	1,045	106	2,158	130	3,092	207	3,185	314
Ergot ...	209	64	252	184	238	269	241	306
Ephedra ...	540	13	1,984	64	1,000	22	788	22
Tragacal ...	2,084	154	1,566	165	2,136	203	1,931	196
Acacia ...	6,347	384	7,955	622	8,424	619	9,494	771
Tragacanth ...	1,275	335	2,474	571	2,093	592	3,244	1,382
Karaya and Talha ...	4,107	413	4,830	311	5,401	598	7,205	938
Balsams‡ ...	—	—	—	—	335	115	370	157

(In thousands of units—000's omitted)

\* Quantity given in ounces. † Quantity given in gallons. ‡ Includes tolu, copaiba, Peru, storax and Canadian fir.

## Sudan Gum Acacia Exports

BOXALL & Co. report shipments in April 1938 totalled 2,526 tons, as compared with 2,452 tons in April 1937. Shipments during January-April 1938 totalled 10,622 tons, compared with 9,817 tons in the corresponding period of 1937. The chief destinations were as follows:—

Destination	1937			1938		
	Jan.-Mar.	April	Total	Jan.-Mar.	April	Total
Great Britain ...	1,461	764	2,225	1,812	686	2,498
U.S.A. ...	1,336	636	1,972	1,093	442	1,535
France ...	936	179	1,115	1,284	314	1,598
Germany ...	875	291	1,166	864	234	1,098
Italy ...	295	12	307	175	168	343
Belgium ...	369	122	491	893	122	1,015
Japan ...	788	40	828	199	30	229
Holland ...	193	102	295	300	61	361
Sweden ...	192	78	270	319	85	404
Australia ...	232	10	242	365	120	485
China ...	113	6	119	32	15	47
Canada ...	68	57	125	45	15	60
British India ...	61	10	71	81	15	96
Denmark ...	76	26	102	90	44	134
Finland ...	74	23	97	75	18	93
Poland ...	26	6	32	39	24	63
Egypt ...	31	5	36	66	17	83
Argentina ...	15	—	15	95	33	128
Brazil ...	19	13	32	51	21	72

The export figures are made up of the following qualities:—

	Hashab	Bleached	Talha	Total
April 1937 .. .. tons	2,112	7	333	2,452
April 1938 .. .. tons	2,396	14	116	2,526
January-April 1937 .. tons	8,637	36	1,144	9,817
January-April 1938 .. tons	9,930	46	646	10,622



# Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, June 30

THE slight improvement in business and the general tone of the markets indicated last week is being well maintained, and the turn has broadened out. Trade, although patchy, is gradually increasing in volume and values seem in many instances to have touched bottom and to be recovering. This tendency to better markets is particularly noticeable in the leading speculative commodities. Reports from Paris and New York both indicate rather better conditions, with signs of some recovery in trade. Exchange rates are for the time being fairly steady, but there is a lack of confidence in the future of some currencies. Conditions in the PHARMACEUTICAL CHEMICAL markets are fairly steady, with little change to comment upon. Business is moving along on a rather quiet tone.

## Crude Drugs

A fair trade is being transacted in a range of products and it is evident that consumers are recognising that the recent general decline in values has come to an end and that markets are now tending to recover. A steady demand on spot continues for CURAÇAO ALOES and prices have advanced sharply with stocks at a low level; there have been one or two offers of new crop for shipment at extremely high prices. Canada BALSAM is steadier for shipment at the recent declines. Little business moving in new crop BUCHU. For some weeks the shipment quotations for new crop CASCARA SAGRADA have been falling rapidly; this week, following business at the limit, prices have turned and reports indicate a firm market at the better figures. CARDAMOMS are dull and quoted easier. Shipment quotations for new crop Portuguese ERGOT show a further advance, with a poor crop reported. Sudan GUM ACACIA remains dull and at low figures. Egyptian HENNA continues short on spot. HONEY has had a quiet week, with values steady. Matto Grosso IPECACUANHA is steadier at the slight reduction on spot. LOBELIA HERB has sold well on spot. Japanese MENTHOL is steady on spot, with shippers refusing bids slightly discounting their quotations. PEPPERS are steadier at the better figures recorded. PIMENTO is again dearer, spot and forward. RUBBER shows a further recovery this week, but the market is rather irregular. Valencia SAFFRON continues scarce and dear on spot. Shipment quotations for SENEGA are again easier for new crop. Not much business moving in SENNA; there is a shortage of finest grades of Alexandrian pods. SHELLAC shows a further recovery. TRAGACANTH has continued rather dull, with values about unchanged. BEES' WAXES are steady at the recent declines. CARNAUBA WAXES remain quiet, with quoted values about maintained.

## Essential Oils

A little better general trade is reported in these products. Spot values for ANISE (STAR) continue firm and tend to advance further; one or two shipment offers at higher figures. CAMPHOR oils continue firm and in short supply on spot. Ceylon CITRONELLA shows a small improvement this week. Sicilian hand-pressed LEMON for shipment is about steady, but business for this market is still negligible. The spot demand for French Guinea ORANGE remains disappointing, with some oil offered at keen prices. Japanese PEPPERMINT has sold quite well on spot at full prices; shippers' quotations are firm. American PEPPERMINT, although quiet, is fully steady as quoted for shipment.

## Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	June 22	June 30
Amsterdam ...	Fls. to £	12·107	8·95	8·95½
Berlin ...	Mks. to £	20·43	12·29	12·30
Brussels ...	Belgas to £	nominal	29·20	29·21
Copenhagen ...	Kr. to £	18·159	22·40	22·40
Lisbon ...	Esc. to £	110	110½	110½
Madrid ...	Ptas. to £	25·24½	nominal	nominal
Milan ...	Lire to £	92·46	94½	94½
Montreal ...	Dols. to £	4·86½	5·00½	5·00
New York ...	Dols. to £	nominal	4·96	4·95½
Oslo ...	Kr. to £	18·159	19·90	19·90
Paris ...	Fr. to £	124·21	177½	177½
Prague ...	Kr. to £	164·25	142½	142½
Stockholm ...	Kr. to £	18·150	19·40	19·40
Warsaw ...	Zloty to £	43·38	26½	26½
Zurich ...	Fr. to £	25·2115	21·60	21·61

Bank rate 2 per cent.

## Pharmaceutical Chemicals, etc.

CONDITIONS continue steady, with business reported on a rather better scale this week. There are no changes in values of importance to record.

ASPIRIN (TABLETS).—The following are agreed wholesale prices for the British makers: Under 5,000, 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; 2,000,000 and over, 2s. 2d. per thousand tablets. A rebate of 1d. per 1,000 is allowed on orders for 10 million tablets taken over a period of 12 months. For small quantities higher prices would be asked by wholesale distributors.

BARKITONE.—Remains dull and unsteady: two cwt., 8s. 11d.; 56 lb., 9s. 2d.; less than 56 lb., 9s. 5d. per lb., ex store, London.

BENZOIC ACID (B.P.).—Makers' prices continue at the recent reduction: five cwt., 1s. 7½d.; one cwt., 1s. 8d.; smaller parcels, from 1s. 9d. up to 2s. 2d. per lb., as to quantity.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Quoted unchanged: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scales for Continental material, duty paid, in 5-lb. tins, are as follows:—Pure alkaloid, two cwt., 8s. 10d.; one cwt., 9s. 0½d.; 56 lb., 9s. 2½d.; less than 56 lb., 9s. 4½d. per lb. Citrate, two cwt., 5s. 11½d.; one cwt., 6s. 0½d.; 56 lb., 6s. 1½d.; less than 56 lb., 6s. 2½d. per lb. Soda sal., two cwt., 6s. 2½d.; one cwt., 6s. 3d.; 56 lb., 6s. 4½d.; less than 56 lb., 6s. 5½d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d.

CALCIUM LACTATE.—Market steady but quiet: one cwt., 1s. 0½d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—Home makers' scale of prices steady: duty paid crystals in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb., 28-lb. jars one penny per lb. extra.

CHLOROFORM.—Makers' prices steady: two cwt., 2s. 5½d. per lb.; one cwt., 2s. 6d.; 56 lb., 2s. 6½d.; less, 2s. 7½d. per lb., in w-quarts of 8 lb. Packed in drums ½d. per lb. less. Small bottles extra, from 5d. per lb. for ¼-lb. bottles to 1d. per lb. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

CREAM OF TARTAR.—Steady business at former figures: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Small demand: bulk quantities, in 25-kilo demi-johns, 1s. 6d.; small parcels, 1s. 7½d. up to 2s. per lb., ex store.

EPHEDRINE.—But little business moving for home or export, with hydrochloride, B.P., quoted at about 7s. to 8s. 6d. per oz., and pure alkaloid from 9s. 3d. to 10s. 6d. per oz., as to quantity.

GALLIC ACID.—Steady on a quiet market: one cwt., 3s.; 56 lb., 3s. 1d.; smaller parcels, up to 3s. 6d. per lb.

IODIDES.—The agreed scales of prices are as follows: POTASSIUM, B.P.—1 cwt., 4s. 6d.; 28 lb., 4s. 9d.; 14 lb., 5s.; 7 lb., 5s. 6d.; 4 lb., 6s.; smaller quantities, 6s. 6d. per lb. SODIUM, B.P., 28 lb., 5s. 9d.; 14 lb., 6s. 1d.; 7 lb., 6s. 7d.; 4 lb., 7s. 3d.; smaller quantities, 8s. 1d. per lb. IODINE, B.P., RESUBLIMED.—1 cwt., 5s. 4d.; 28 lb., 5s. 7d.; 14 lb., 5s. 10d.; 7 lb., 6s. 4d.; 4 lb., 7s.; smaller quantities, 7s. 9d. per lb. IODOFORM, B.P., CRYST., PRECIP. OR POWDER.—28 lb., 8s.; 14 lb., 8s. 4d.; 7 lb., 9s.; 4 lb., 9s. 10d.; smaller quantities, 10s. 8d. per lb. Contracts for one cwt. and upwards (assorted if required) with fall clause, with delivery as required during four months. 28-lb. tins and one-cwt. cases free. All jars and bottles charged, but credited if returned carriage paid, in good condition, within three months. Assorted quantities are charged at the collective total weight. It is a condition of sale that buyers undertake not to resell any quantity of the above products at prices or terms below the scale for any such quantity current at the time the resale is made.

METHYL SALICYLATE.—Dull, quoted unchanged: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.



**METHYL SULPHONAL.**—Quiet and irregular: two cwt., 19s. 3½d.; one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, up to 20s. 8d. per lb.

**PHENACETIN.**—Fair amount of small business at steady prices: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. to 3s. per lb., as to quantity.

**PHENAZONE.**—Remains dull and irregular: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, 7s. 6d. per lb., with powder 2½d. per lb. extra.

**PHENOLPHTHALEIN.**—Makers' scale of prices unchanged: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

**PHENYETHYLBARBITURIC ACID.**—Small parcels, in 2-lb. bottles, are quoted at about 18s. 9d. to 20s. per lb., as to quantity.

**PHOTOGRAPHIC CHEMICALS.**—Home makers' prices are as follows: **AMIDOL.**—28 lb., 8s.; 14 lb., 8s. 9d.; 7 lb., 9s. 6d., in free 7-lb. tins; under 7 lb., 12s. per lb., in free 1-lb. bottles. **CHLORQUINOL.**—1-lb. bottles, 21s. per lb. **GLYCIN.**—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. **HYDROQUINONE.**—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. **METOL.**—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 6d., tins free; 3 lb., 12s., bottles free; 1-lb. bottles, 12s. 6d. per lb., bottles free. **ALUM (PHOTOGRAPHIC QUALITY).**—1 cwt., 21s. per cwt., 28 lb. for 6s. **GOLD CHLORIDE.**—15-grain tubes, 45s. per doz. **MAGNESIUM POWDER.**—10s. per lb. **PARAMIDOPHENYL HYDROCHLOR.**—8s. 6d. per lb., bottles free. **POTASSIUM FERRICYANIDE.**—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. **POTASSIUM METABISULPHITE.**—One cwt., 8d.; 28 lb., 9d.; 14 lb., 10d.; 7 lb., 1s. per lb. **PYROGALLIC ACID, CRYST.**—28 lb., 7s. 3d.; 14 lb., 8s.; 7 lb., 8s. 9d.; under 7 lb., 9s. 3d. per lb. **SODIUM (CARBONATE RECRYST.)**—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM HYPOSULPHITE, CUBES, CRYST.**—5 cwt., 17s.; 1 cwt., 19s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM SULPHIDE (PURE).**—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. **SODIUM SULPHITE, RECRYST.**—One cwt., 21s. 6d. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

**POTASSIUM PERMANGANATE (B.P.).**—Continues steady and in average demand: in drums, 8½d. to 9d.; druggists' parcels, from 10d. to 1s. per lb.

**POTASSIUM SULPHOGUAIACOLATE.**—Quiet market, with quotations at about 6s. 1d. to 6s. 6d. per lb., as to quantity.

**QUININE SALTS.**—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; dihydrochloride, 3s.; hydrobromide, 2s. 8½d.; dihydrobromide, 3s.; valerianate, 3s. 8d.; hydrophosphite, 4s.; alkaloid, 3s. 0½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

**RESORCIN.**—Makers' scale of prices unchanged: crystals, one cwt., 5s. 5d.; 56 lb., 5s. 6d.; 28 lb., 5s. 7d.; 14 lb., 5s. 9d.; 7 lb., 6s.; smaller quantities, up to 7s. per lb.

**SACCHARIN.**—Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

**SALICYLIC ACID (B.P.).**—Makers' quotations unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0½d.; 4 lb., 2s. 2½d. per lb.

**SALOL.**—Business quiet, market keen: spot, crystals, 2s. 2d. to 2s. 6d. per lb., as to quantity.

**STRYCHNINE SALTS.**—Home makers' scale of prices for home trade and for export to British Empire destinations (excluding Canada) continue at the reduction recently recorded. Contracts will not be accepted at current prices.

	Under 100 oz.		Under 500 oz.		500 oz. and over	
	Home or f.o.b. British Empire	Home or c.i.f. British Empire	Home or c.i.f. British Empire	Home or c.i.f. British Empire	Home or c.i.f. British Empire	Home or c.i.f. British Empire
Pure Crystals ... ..	Per oz. s. d.	Per oz. s. d.	Per oz. s. d.	Per oz. s. d.	Per oz. s. d.	Per oz. s. d.
" Præcip. ... ..	1 3½	1 3½	1 3½	1 3	1 3	1 3
Acetate ... ..	1 10	1 10	1 10	1 8	1 8	1 8
Arsenate ... ..	1 9	1 9	1 9	1 7	1 7	1 7
Arsenite ... ..	1 10	1 10	1 10	1 8	1 8	1 8
Bisulphate ... ..	0 10	0 10	0 10	0 9½	0 9½	0 9½
Hydrochloride ... ..	1 1½	1 1½	1 1½	1 1	1 1	1 1
Hypophosphite ... ..	3 4	3 4	3 4	3 2	3 2	3 2
Nitrate Crystals ... ..	1 1½	1 1½	1 1½	1 1	1 1	1 1
" Powder ... ..	1 1½	1 1½	1 1½	1 1	1 1	1 1
" No. 2 ... ..	0 10½	0 10½	0 10½	0 9½	0 9½	0 9½
Phosphate ... ..	2 1	2 1	2 1	1 11	1 11	1 11
Sulphate Neut. Cryst. ... ..	1 0	1 0	1 0	0 11½	0 11½	0 11½
" Powder ... ..	1 0	1 0	1 0	0 11½	0 11½	0 11½
" No. 2 ... ..	0 10½	0 10½	0 10½	0 9½	0 9½	0 9½

25-oz. tins free. Export cases free. 1-oz. bottles 2d. each extra. For export—1 per cent. cash in ten days. Terms: net, 30 days. Contracts cannot be accepted. For export: buyers held covered against price reduction for ten days after arrival of steamer at port of destination.

**SANTONIN.**—Still a slow demand, with bulk lots at very keen prices: nominally, £15 per kilo, duty paid, but sellers at little over £10 for a good quantity; small lots up to £12 10s. per kilo.

**SODIUM BENZOATE (B.P.).**—Makers' prices continue at the recent reduction: five cwt., 1s. 3½d.; one cwt., 1s. 4d.; smaller parcels, from 1s. 5d. up to 2s. per lb., as to quantity.

**SODIUM DIETHYLBARBITURATE.**—Controlled prices are unchanged: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels up to 12s. 3d. per lb.

**SODIUM SALICYLATE (B.P.).**—Makers' quoted prices are steady: home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10½d.; 7 lb., 1s. 11½d.; 1 lb., 2s. 4d. per lb.

**TARTARIC ACID (B.P. CRYSTALS).**—Seasonal trade, market steady: British makers quote at 1s. 1½d. per lb., less 5 per cent. discount, dealers offering foreign materials at competitive prices.

**THEOBROMINE.**—Prices for Continental, pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s. 3½d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5½d.; smaller quantities, 6s. 6½d. per lb., delivered, 5-lb. tins free; smaller packages extra.

**THYMOL.**—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5d.; 14 lb., 10s. 6d. per lb.

**VANILLIN.**—The home trade prices show no change: ex clove oil or guaiacol, five cwt., 12s. 5d.; one cwt., 12s. 8d.; 56 lb., 13s.; less than 56 lb., 13s. 2d. per lb.

### Crude Drugs, etc.

**AGAR.**—Business of small account, values about steady: spot, Kobe, No. 1, 2s. 10½d. to 3s.; No. 2, 2s. 9½d. Yokohama, No. 1, 2s. 10d. per lb.; shipment, Kobe, No. 1, July-August, 2s. 5d.; No. 2, 2s. 3½d.; Yokohama, No. 1, 2s. 4d. per lb., c.i.f.

**ALKANET ROOT.**—Dealers are offering small spot parcels in the region of 45s. per cwt., ex store.

**ALOE.**—Quite good sales of Curaçao on spot and prices have advanced; stocks are at a very low level. Inquiry continues for shipment offers of new crop, but the only figures indicated so far have been between 150s. and 155s. per cwt., c.i.f., at which no business is recorded. Cape steady and unchanged: Cape, spot, 63s. to 64s.; shipment, about 62s. 6d. per cwt., c.i.f. Curaçao, spot, now quoted from 142s. 6d. to 150s. per cwt., as to quality.

**ANNATTO SEED.**—The spot quotation for Madras bright is about 3½d. per lb.; new crop, for shipment, 26s. per cwt., c.i.f.

**ANTIMONY.**—Values steady, market quiet: Chinese, crude, spot, £38; shipment, June-July, £30, c.i.f. English regulus, £70 to £71 per ton, ex store.

**ARECA NUTS.**—Occasional inquiry, with spot goods offering at about 25s. per cwt., ex store.

**ARNICA FLOWERS.**—Spot supplies in small parcels are quoted at about 1s. 4d. per lb., ex store.

**BALSAMS.**—Canada for shipment is now steadier at about 3s. 1½d., c.i.f., with a parcel afloat offering at 3s. 3d., c.i.f. Spot would be about 4s. per lb. *Tolu*, 1s. 8d.; *Copaiba*, Para, 1s. 9d.; *Peru*, 4s. 6d. per lb., spot.

**BELLADONNA.**—Business has been of small account: leaves, 55s.; root, 6s. per cwt., spot.

**BENZOIN.**—Good almonds, seconds, Sumatra, are available at 90s. Siam: medium almonds, £26; bean and pea, £22; pea size, £20 per cwt., ex store.

**BUCHU.**—Business has been on the quiet side, with a fair selection of new crop available here. Rounds, about 1s. 6d. to 1s. 7½d., as to quality. A few bales of old leaves at slightly lower figures.

Exports from the Cape during January-March, 1938, totalled 48,117 lb., valued at £2,900, as compared with 91,810 lb., valued at £6,534 in the corresponding period of 1936.

**CAMPHOR.**—Market has remained quiet: Japanese monopoly BB brand £7 10s. per 100 lb.; this price now officially quoted; Japanese, natural, spot, tablets, 2s. 6½d.; powder, 2s. 3½d.; slabs, 2s. 3d. per lb. ex store; shipment, tablets, 2s. 2d.; powder, 1s. 11½d.; slabs, 1s. 11½d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and 1 oz., 3s. 6d. per lb.

**CANTHARIDES.**—Routine spot trade at steady prices: Russian, about 4s. 6d.; Chinese, spot, 2s. to 2s. 2d. per lb., as to quantity; shipment, 1s. 7d. per lb., c.i.f.

**CARDAMOMS.**—Business still slow, with values at lower levels; market steadier: Aleppy greens are quoted slightly cheaper; Aleppy, green, spot, about 2s. 6d.; shipment, 2s. for f.a.q. Aleppy, seed, spot, 3s. 6d.; shipment, 2s. 10d., c.i.f. Mangalore seed, spot, 3s. 4½d.; shipment, 2s. 7½d. per lb., c.i.f.

**CASCARA SAGRADA.**—Over the week-end business in new crop was reported done down to 31s. 6d., c.i.f., but this price was quickly withdrawn and followed by 33s., which has now been replaced by



34s. 6d. to 35s., c.i.f., in minimum car-load lots. The shipment market is firm and a further recovery is anticipated. There has been a steady demand for 1937 peel on spot, and holders are firm at 55s. per cwt., ex store.

**CHAMOMILES.**—Market remains quiet. Last season's best quality, about 165s., with seconds at 135s. per cwt. Old flowers from 95s. to 107s. 6d. per cwt., ex store.

**CLOVES.**—Values steady, with a little more business: Zanzibar, spot, 8½d.; shipment, July-August, 8d. per lb., c.i.f. Madagascar, in bond, 6½d.; shipment, July-August, 6½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended June 25 were nil, and the deliveries 3, leaving a stock of 1,125. From January 1 to date the landings of Zanzibar have been 1,389 and the deliveries 1,333. Landings of Madagascar for the week ended June 25 were nil, and the deliveries 20, leaving a stock of 1,502. From January 1 to date the landings of Madagascar have been 1,131 and the deliveries 1,705 packages.

**COCOA BUTTER.**—Moderate business, market steady: prime English, 8½d. to 10½d. per lb. Foreign, 8d. to 10d. per lb., as to quantity and quality.

**COCONUT (DESICCATED).**—Market is quiet but steady: spot, fine, 16s. 6d.; medium, 16s. 3d.; shipment, halves, July-August, 15s. 6d. per cwt., c.i.f.

**COD-LIVER OIL.**—Bergen reports the shipment market continues rather quiet, with new crop oil quoted steadily: finest Lofoten steam-refined non-freezing medicinal oil, 90s. per barrel, c.i.f. London. Small lots, on spot, about 132s. 6d. per barrel, ex-store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

**COLCHICUM.**—Dealers are quoting spot root at about 46s. to 47s. 6d. per cwt., as to quantity.

**COLOCYNTH PULP.**—Freely offered on spot from 1s. to 1s. 3d. per lb., as to quality and quantity.

**DAMIANA LEAVES.**—New crop leaves are now available and are quoted at about 9d. to 9½d. per lb., ex store.

**DERRIS ROOT.**—Market has been quiet: root testing 17 per cent. ether extract quoted in the region of 7½d. per lb., ex store.

**DIGITALIS LEAVES.**—Dealers are offering Continental parcels on spot at 85s. to 90s. per cwt., as to quality.

**ERGOT.**—The firmer condition in the shipment market for Portuguese is in full evidence. Early in the week there was one offer of new crop at 4s., c.i.f., but this is now reported cancelled, and the latest advices indicate 4s. 6d. and, in one instance, 4s. 9d., c.i.f. Spot is mentioned at about 4s. 8d. No Russian offering, spot or forward. Bulgarian, shipment, 4s., c.i.f. Portuguese crop is reported to be poor.

**GAMBOGE.**—Occasional spot inquiry, with good Siam pipe quoted at about £13 10s. per cwt., duty paid.

**GENTIAN.**—Market is quiet: Good clean French root, 38s. to 40s.; Continental, 36s. to 37s. per cwt., ex store, as to quantity.

**GINGER.**—Market is now steady: West African, spot, 26s.; for arrival, 23s. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 70s. up to 85s.; small grinding, in bags, 45s. to 47s. 6d. per cwt., c.i.f. Cochinchina, washed rough, spot, 42s. 6d.; shipment, 36s. 6d. per cwt., c.i.f.

**GUAIACUM.**—A limited business passing, with fair to middling block selling from 1s. per lb., ex store.

**GUM ACACIA.**—Market remains dull: Kordofan, cleaned sorts, spot, 37s. 6d.; shipment, 35s. per cwt., c.i.f.

**HENBANE.**—Occasional spot business, with dealers quoting in the region of 70s. to 75s. per cwt., as to quantity.

**HENNA.**—Market is firm on short supplies: Egyptian, brown leaves, 30s. to 32s. 6d.; green leaves, if available, about 40s. per cwt., ex store.

**HONEY.**—Quotations for all descriptions are steady; business moderate and chiefly for new crop Jamaican, which is quoted from 30s. for dark manufacturing up to 45s. for pale set. Californian, duty paid, 52s. 6d. Canadian, firm at 55s., ex store.

**HYDRASTIS.**—Business of small account: spot, 2.3 hydrastin, 14s. 9d. to 15s.; U.S.P., 14s. 6d. to 14s. 9d., and untested root, 14s. to 14s. 3d. per lb., ex store.

**IPECACUANHA.**—Not much inquiry on spot: Matto Grosso, B.P., spot, 7s. to 7s. 3d.; shipment, 6s. 7½d. per lb., c.i.f.

**IRISH MOSS.**—Spot is quoted at about 45s. to 60s. per cwt., for small parcels of the best qualities.

**JALAP.**—Spot values are fully steady: 13.3 per cent., 1s. 1d.; 10.5 per cent., 10d. per lb., ex store.

**JUNIPER BERRIES.**—Dealers offering good sifted quality on spot at about 25s. per cwt., ex store.

**KOLA NUTS.**—African halves on spot quoted from 2½d. to 3d. per lb., as to quality. St. Lucia halves, about 4d. per lb., for good bright quality.

**LAVENDER FLOWERS.**—Good blue flowers are quoted on spot at 1s. 6d. per lb., ex store.

**LIGUORICE.**—Natural root is quoted on spot at about 11s. 6d. per cwt. and decorticated at 30s. to 45s. per cwt.

**LOBELIA HERB.**—Quite a fair amount of business reported on spot, with prices steady at 6½d. to 7d. per lb., for good quantities.

**LYCOPodium.**—Business remains slow, dealers are quoting spot supplies at about 4s. 9d. to 5s. per lb.

**MANNA.**—Dealers are doing a small business: finest selected flake, in 1-lb. tins, 3s. 6d. per lb., ex store.

**MENTHOL.**—The Japanese product is very steady and in moderate demand: spot, K/S brands, 12s. 3d. to 12s. 4d.; in bond, 11s. Orders cabled out for July-August shipment at under 10s. 9d., c.i.f., rejected by shippers, who now quote up to 11s., c.i.f. Chinese, spot, 12s.; shipment, 10s. 1½d. per lb., c.i.f.

**MERCURY.**—First-hand distributors of Spanish-Italian report there is no change in the shipment price at 69 dollars per bottle, f.o.b., Continent; spot, £13 18s. to £13 18s. 6d. per bottle, ex store, London.

**OPIMUM.**—Average business, market steady: Turkish, original, cases of 170 lb., 13 per cent., 1s. 1d.; Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

**ORANGE PEEL.**—Bitter quarters, 9½d.; thin cut, 10d. to 1s. 2d. per lb., ex store.

**PEPPER.**—At the better figures the market is steady: Lampung, in bond, 2½d.; shipment, August-October, 2½d., c.i.f. Tellicherry, spot, 4d.; shipment, August-October, 3s. 6d., c.i.f. Aleppy, spot, 4d.; shipment, August-October, 3s. 6d., c.i.f. White Muntok, in bond, 3½d.; shipment, August-October, 3½d., c.i.f. London Terminal Market, Black, July, 2½d.; October, 2½d. White, July, 3½d.; October, 4d.; December, 4½d. per lb.

**PIMENTO.**—Values have advanced, market closing steady but quiet: spot, 7½d. per lb.; shipment, July-August, 67s. per cwt., c.i.f.

**RHUBARB.**—A quiet spot business. Goods due for shipment from Shanghai in June will be late owing to incessant rains having prevented drying: Shensi, best quality, 4s. 6d. to 5s.; old, very slightly wormy, 3s. 9d. to 4s.; pickings, about 3s. 6d. Rough round, 2s. 1d. to 2s. 3d. per lb., as to quality; shipment, 1s. 7d. per lb., c.i.f.

**RUBBER.**—Values show a further good recovery, with a fair volume of business being done: standard ribbed smoked sheet, spot, 7½d.; July, 7½d.; August, 7½d.; September, 7½d.; October-December, 7½d. per lb.

**SAFFRON.**—Spot market for genuine Valencia continues firm, with very small supplies held for 90s. to 92s. 6d. per lb.

**SEEDS.**—ANISE.—Spot, duty paid, Spanish, 65s.; Bulgarian, 41s.; Syrian, 39s. CANARY.—Market quiet, prices quoted are spot, duty paid: Mazagan, 17s. 6d.; Morocco, 15s.; Turkish, 16s.; Plate, 15s. 6d.; Spanish, 25s. to 37s. 6d. CARAWAY.—Dutch, on spot, 34s., duty paid; 28s. 6d. quoted f.o.b. Holland. CORIANDER.—Market firm, old crop on spot is quoted at 19s., duty paid; the new crop for July-August, 16s. 6d., c.i.f. CUMIN.—Spot, Malta, 45s., duty free; Morocco, 45s., duty paid; Morocco, new crop for shipment, 41s., c.i.f. FENUGREEK.—Morocco, spot, 12s. 9d., duty paid. FENNEL.—Persian, 20s. to 22s. 6d., spot, and Indian, 25s. MUSTARD.—English, 21s. to 29s. 6d.

**SENEGA.**—The shipment market shows a further decline, but it will be noted the quotation is for July-September despatch: spot, 2s. 1d. to 2s. 2d.; shipment, July-September, 1s. 9d. per lb., c.i.f.

**SENNA.**—Business generally has been on the quiet side. Tinnevely leaves, spot, fair green, No. 1, 5½d.; No. 2, 3½d.; No. 3, 2½d.; No. 4, 2½d.; per lb. There is a scarcity of good bold leaves on spot, and no further supplies will be available until the arrival of new crop in August-September. Tinnevely, best quality, hand-picked pods, 6d.; darker descriptions, 3½d. to 4d. per lb., ex store. The arrivals of best quality new crop Alexandrian hand-picked pods continues very small, and it is certain that it will be difficult to obtain this grade during the next few months: spot, good bold selected, 5s.; No. 1, 4s.; No. 2, 3s.; No. 3, 2s. 3d. per lb. Old crop pods available from 1s. to 2s. 3d. per lb., ex store.

**SHELLAC.**—At the better values the market is firm, with more business moving: spot, standard TN orange, 39s. to 42s.; fine orange, 52s. 6d. to 80s.; pure button, 48s. to 52s. 6d. per cwt. For delivery, TN, August, 38s. 6d.; October, 39s. 6d.; December, 40s. 3d. For arrival, TN, July-August, 36s. 6d. per cwt., c.i.f.

**SLEPPERY ELM BARK.**—Small business, values steady: grinding quality, 6½d.; clippings, 8½d.; selected loose slabs, 1s. 2d.; 5-lb. wired bundles, selected quality, from 2s. per lb., ex store.

**SQUILL.**—Some fair white on spot is offering at about 27s. 6d. per cwt., ex store. New crop, No. 1, white, 24s. per cwt., c.i.f.

**STRAMONIUM.**—Dealers are offering spot parcels from 35s. to 40s. per cwt., as to quality and quantity.

**TONKA BEANS.**—Quiet market: fair frosted Para beans, 3s. 2d. to 3s. 3d. per lb., ex store.

**TRAGACANTH.**—Business has been modest during the past week, with quoted values for all descriptions about unchanged: finest selected white ribbon, £65; No. 1 white, £57 10s. to £60; No. 2, white, £50 to £54; No. 3, white, £35 to £42 10s.; amber leaf, £22; cleaned amber sorts, £16; brown to amber leaf, £11 10s.; red leaf, £9 to £10; hoggy, £6 to £7 per cwt., ex store.

**TURMERIC.**—The shipment market for new crop Madras finger is cabled firmer, with bulk quantities now quoted at 25s. 6d. per cwt., c.i.f. On spot, the value would be in the region of 30s. per cwt., ex store.



**VALERIAN ROOT.**—Forward prices are reported to be dearer: spot offers continue in the region of 37s. 6d. per cwt., ex store.

**WAXES.—BEES'.**—The market is steadier following the recent declines in values: Calcutta, bleached, spot, 127s. 6d.; shipment, July-August, 117s. 6d., c.i.f.; ordinary quality, spot, 92s. 6d.; shipment, July-August, 90s. per cwt., c.i.f.; Benguella, in bond, 87s. 6d.; shipment, July-August, 85s., c.i.f. Conakry, spot, 95s.; shipment, July-August, 85s., c.i.f. Dar-es-Salaam, spot, 97s. 6d.; shipment, July-August, 86s., c.i.f. **CARNAUBA.**—Market quiet, quoted unchanged: fatty, grey, spot, 150s.; afloat, 145s.; shipment, July-August, 145s., c.i.f. Chalky, grey, spot, 150s.; afloat, 145s.; shipment, July-August, 142s., c.i.f. Primeira, spot, good quality, 190s.; afloat, 175s.; shipment, July-August, 172s. 6d., c.i.f. Mediana, spot, 180s.; shipment, 170s. per cwt., c.i.f.

### Essential and Expressed Oils, etc.

**BUSINESS** has been on a little better scale this week, with the outlook more promising. Values are steadier, but some items are still competitive. Anise (Star) is firm on spot. Sicilian lemon remains quiet. Japanese peppermint has sold well on spot; shipment market firm.

**ALMOND.**—Isolated offers of bulk lots at keen prices continue; business quiet: English made, cwt. lots, 2s. 8d.; smaller parcels, up to 3s. 2d. per lb.; foreign, cwt. lots, 2s. 8d.; smaller parcels, up to 3s. 2d. per lb.; French bitter, 6s. to 6s. 1½d. per lb.

**ANISE (STAR).**—The firm conditions recently indicated continue, due to the lack of shipment offers. Some offers from Hong Kong of tins this week at an advance: spot, leads, nominal; tins, 3s. 8d. to 3s. 9d.; drums, about 3s. 7d. per lb., ex store; shipment, tins, 3s. to 3s. 3d. per lb., c.i.f.

**AVOCADO PEAR.**—Average small spot business continues, with Californian oil quoted from 46s. 6d. to 53s. per gallon, as to quantity, ex store.

**BERGAMOT.**—There is little to comment on in the shipment market; quoted steadily at about 14s. 9d. per lb., c.i.f., for bulk quantities. Genuine new crop oil on spot is offered at 15s. to 15s. 6d. per lb., with blended oils at cheaper figures.

**BOIS DE ROSE.**—The demand on spot is quiet, with drums of Brazilian oil about 5s. 4½d., with small re-packed lots up to 6s. per lb., ex store.

**CAJUPUT.**—Spot values are steady, while shipment conditions remain easy: B.P., 2s. to 2s. 4½d. per lb., as to quantity.

**CAMPHOR.**—The spot demand is slow, due, no doubt, to the firm market, with Japanese and Chinese white oils at about 103s. to 107s. per cwt. in drums; shipment, Japanese, 90s., c.i.f. No Chinese offered.

**CANANGA.**—Occasional spot inquiry, some offers continue keen: spot, 4s. 10½d. to 5s. 6d., according to quantity and packing; shipment, 4s. 4½d. per lb., c.i.f.

**CARAWAY.**—Limited demand on spot, market steady: Dutch rectified, 7s. 3d. to 7s. 9d.; crude, 6s. 9d. to 7s. per lb., landed and duty paid, as to quantity.

**CASSIA.**—Lack of normal demand continues to be the feature of this market: spot, good quality, oil, 3s. 3d. in leads; off-quality, about 3s. per lb. Shipment market is lifeless; leads, 2s. 10½d.; drums, about 2s. 9d. per lb., c.i.f.

**CEDARWOOD.**—Rather quiet, but values are steadier: African, in drums, 11½d.; smaller packages, up to 1s. 4d. per lb. American, in drums, 11½d.; smaller packages, up to 1s. 4d. per lb.

**CINNAMON LEAF.**—Fair amount of small spot business reported: Ceylon oil, repacked and filtered, 2s. 9d. to 3s. 3d. per lb., ex store. Shipment quotations for bulk lots in drums are at keen figures.

**CITRONELLA.**—There is a little better tone in the shipment market for Ceylon oil. Java remains dull: Ceylon, spot, drums, 1s. 5d. to 1s. 5½d.; smaller parcels, up to 1s. 9d.; shipment, drums, 1s. 3d. to 1s. 3½d. per lb., c.i.f. Java, spot, drums, 1s. 10d. to 1s. 11d.; smaller parcels, up to 2s. 4d.; shipment, drums, about 1s. 4½d. per lb., c.i.f.

**CLOVE.**—Shipment quotations for Madagascar oil in bulk quantities are very keen: Madagascar, spot, drums, 3s.; re-packed, small parcels, up to 3s. 6d.; English, distilled, 4s. 6d. to 4s. 10½d. per lb., as to quantity.

**EUCALYPTUS.**—Shipment offers from the source are tending steadier, particularly for the better brands: Australian, 70 to 75 per cent., tins, 1s. 5½d. to 1s. 6d.; drums, 1s. 5d.; 80 to 85 per cent., drums, 1s. 9d. per lb., ex store; higher prices for small lots on spot; shipment, 70 to 75 per cent., tins, 1s. 3½d.; drums, 1s. 2½d.; 80 to 85 per cent., 1s. 6½d. per lb., c.i.f.

**GERANIUM.**—This market is still attracting but little business of importance, and values seem to be thoroughly disorganised, chiefly due to the varying qualities of oil offering: Bourbon, spot, 12s. to 12s. 6d.; shipment, 10s. to 10s. 6d., c.i.f. Algerian, spot, in the region of 13s.; shipment, about 12s. per lb., c.i.f.

**GRAPE-FRUIT.**—Seasonal spot demand in smallish quantities: Californian, 10s. 3d. to 12s. Florida, 11s. to 12s. 6d. per lb., as to quantity.

**HO (SHIU).**—Business is moving slowly in limited quantities: spot, "improved" quality, 4s. to 4s. 1d.; "extra," 4s. 3d. to 4s. 4d. per lb., in drums, smaller lots at higher prices, ex store; shipment, "extra," 4s. per lb., c.i.f.

**JUNIPER BERRY.**—Average spot demand, with quotations varying from 3s. 3d. up to 4s. per lb., as to quality and quantity.

**LAVENDER.**—There is no further news of the coming new crop. Meanwhile old oil is maintained on quotation at the advance recorded last week. Business has been quiet: French, 38 to 40 per cent., 12s. 6d. to 14s. per lb., ex store. Lavandin, 5s. 3d. to 5s. 7½d. per lb., as to quantity, with blended oils at cheaper prices.

**LEMON.**—Shipment business in the Sicilian oil so far as this market is concerned remains quiet, while the source reports a steady trade to most other destinations. Shipment quotations continue to range from 11s. to 11s. 4½d. for good branded oils. Modest business continues on spot, with genuine new crop oils held for 11s. to 11s. 6d. per lb., ex store, as to quantity; old and blended oils at cheaper prices. Californian distilled oil is steady at 6s. 4d. per lb., in small drums, landed. Sicilian, machine-made, 10s. 8d., c.i.f.

**LEMONGRASS.**—The shipment market shows a fair recovery, with more interest shown; after getting down to below 1s. 4d., c.i.f., the latest quotations are at 1s. 5d., c.i.f., for bulk quantities; spot, 1s. 8d. to 2s. per lb., as to quantity.

**LIME.**—West Indian distilled on spot quoted at 24s. to 26s. per lb., ex store, with a moderate demand reported.

**MANDARIN.**—A limited trade reported: finest quality oil at about 19s. to 20s., c.i.f., with other qualities from 17s. 6d. per lb., c.i.f.; small lots on spot from 20s. to 22s. 6d. per lb., as to quantity and quality.

**NEROLI.**—New crop oil quotations range from 24s. 6d. up to 28s. per oz., as to shipper, landed.

**NUJMEG.**—Fair amount of small spot business, market steady: Dutch and American oils quoted from 5s. 4½d. for bulk lots up to 5s. 9d. per lb. for small parcels.

**ORANGE.**—The spot demand remains poor for the time of year and there is no interest in shipment offers: French Guinea oil in original drums about 3s. 3d. and re-packed in tins and cases 3s. 5d. to 3s. 7d. per lb., ex store; shipment offers at 2s. 6d. per lb., c.i.f., in drums, with no interest. Californian is steady at the recent reduction of 20 cents; spot, one case, 3s. 7½d.; two or more cases, 3s. 5d.; large drums, not quoted; small drums, 3s. 4d. per lb., landed; cold-pressed, 5s. 3d., c.i.f., in cases.

**PALMAROSA.**—Not much demand on spot; quoted from 8s. 3d. to 8s. 4½d. for original packages; shipment, 7s. 7½d. per lb., c.i.f., with little offering.

**PATCHOULI.**—Market is dull and rather irregular: Singapore, spot, about 13s. 9d. to 14s.; shipment, 12s. 10d. per lb., c.i.f. Seychelles, spot, 11s. to 11s. 3d.; shipment, 10s. 3d. per lb., c.i.f.

**PEPPERMINT.**—There has been quite a good spot demand for the Japanese oil, with prices steady at 4s. 3d. to 4s. 4d., as to seller, with large buyers at 4s. 1d. Bids up to 4s., c.i.f., up to August shipment have been rejected by the source, with offers ranging from 4s. 3d. to 4s. 4d., c.i.f., as to shipper. Second-hands are not discounting the forward positions. If present shipment prices are maintained, spot values will have to be increased. American natural oil, in drums, is well maintained for shipment at fully 2 dollars to 2 dollars 10 cents per lb., c.i.f.

**PETITGRAIN.**—There appear to be some cheap spot offers of cases in the region of 3s. 9d., while other quotations are up to 4s. per lb.; shipment, 3s. 2d. to 3s. 3d. per lb., c.i.f., as to shipper.

**ROSEMARY.**—Spot values for genuine Spanish oils are maintained; business slow: Spanish oil, about 3s. up to 3s. 7½d. per lb., as to quality and quantity. No definite shipment offers from the source. New crop Tunis oil, to come forward, 2s. 9d. to 3s. per lb., landed, as to quantity.

**RAISIN SEED.**—Occasional inquiry, with quotations steady: Californian, spot, 2s. 4d. to 2s. 6d. per lb., ex store.

**SANDALWOOD.**—Genuine East Indian Mysore, in one-case lots, continues steady at 20s. 6d. per lb. Genuine East Indian, produced outside the province of Mysore, 18s. 3d. to 18s. 6d. per lb., c.i.f., in bulk quantities. English-made West India, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb., for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

**SASSAFRAS.**—Average spot demand, with good quality oils selling at up to 4s. 3d.; other oils, from 3s. 6d. per lb., ex store.

**SPEARMINT.**—The better prices recorded last week are being maintained: U.S.P. oil, spot, 8s. 3d. to 8s. 4½d. for cases; small repacked parcels, up to 8s. 9d.; shipment, 8s. 2d. per lb., c.i.f., for cases. Other quality oils at cheaper prices.

**SPIKE.**—Business restricted chiefly to small spot orders: Spanish oil is steady from 5s. 6d. to 6s. per lb., as to quantity. Blended oils at cheaper prices.

**WORMSEED.**—Market continues steady: spot, U.S.P. oil, 11s. 4½d. to 11s. 6d.; B.P., about 12s. 3d., as to quantity; shipment, U.S.P., 10s. 10d. per lb., c.i.f., in bulk quantities.



# Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

## Sports Meeting

SIR,—Through the medium of your columns may we notify the members of the South-West Metropolitan Branches that the annual competition for the challenge cups will be held on July 13, commencing 3 p.m. Macleans, Ltd., have again kindly granted the use of their sports ground at Swyncombe Avenue, Brentford (five minutes' walk from their factory—Great West Road), which is easily accessible to most of our members. We wish to point out that the competition is open to all pharmacists resident in the South-West area, their families and business staff, and that the meeting is characterised by its atmosphere of friendly rivalry. The individual events are:—*Ladies*: Golf, tennis, putting, croquet, bowls, shooting; *Men*: Golf, tennis, putting, bowls, quoits, billiards, shooting. We make an appeal to all who are eligible for the sports to come along. For entry forms and further information please write or 'phone the sports secretary, Mr. W. H. Usher, 38 Parsons Green, S.W.6. (Fulham 6018).

Yours faithfully,  
H. R. EDGECOMBE,  
President, South-West London Chemists'  
Association.

London, S.W.9.

## Suspicious and Credulity

SIR,—In reference to your article entitled "What's in a Name?" commenting on a report on proprietary medicines from America (*C. & D.*, June 18, p. 699), it may be noted that it is not only on the other side of the Atlantic that manufacturers make a change in the ingredients of their products without announcing it to the public. It is surprising how the ingredients of an advertised proprietary can be changed to suit the conditions of the moment, conditions altered by the introduction of some new regulations or restrictions, or by the inclusion of one of the drugs in the formula in the poison schedule. And it is even more surprising to find that in some cases such an ingredient can simply be left out altogether without apparently in any way affecting the claims of the remedy. One may be forgiven if one suspects that in some of these cases the alteration is made to allow of the sale by unqualified shopkeepers, and rarely to confine it to chemists. I agree with you in thinking that the public do not believe extravagant claims so readily as they used to; confirmation of this may be found in one direction from the fact that comedians and entertainers often use the so-called "slogans" of nationally advertised proprietaries as subjects for their jokes, which are greeted with laughter by the audience. Sometimes customers will remark on the extravagance of the claims made; they seem especially sceptical of the authenticity of testimonials, seeming to think these are written up by the advertisers, but even after expressing their doubts they will end up by saying that if the remedy does no good, they expect it will probably do no harm, so they will try a bottle. Their natural suspicions make them doubtful, but their credulity is stronger and makes them buy.—Yours faithfully,

UNBELIEVER (18/6).

## Supplying Fourth Schedule Poisons

SIR,—The Society's officials, in their desire to exercise all the authority conferred on them by the recent Act (*C. & D.*, June 25, p. 782), seem to have overlooked the reason for a prescription either written or telephoned, i.e., to relieve suffering. Rules are very well in their place on paper, but to a country pharmacist with sometimes many miles between the doctor, the patient and himself, the telephone must oft times prove invaluable. To prohibit its use must at times cause needless pain to the patient and anxiety to the relatives and the dispenser. Had the recent dictum from the Square requested doctors to confirm in writing any telephoned scripts I should have given the Society credit for endeavouring to assist its members—but to use the threat of a prosecution galls those who have an interest in their calling other than as a means of earning their living. Personally I shall still accept and dispense any telephoned scripts sent to me—and if it should be brought before the Courts I should rely on the humanity

and common sense of the magistrates to see that the Society did not get any financial benefit from the steps taken to ease the pain of some poor suffering patient. For obvious reasons I must omit my name and call myself

Yours faithfully,

A COUNTRY PHARMACIST (27/6)

SIR,—Pharmacists will be glad to see the letter from the Pharmaceutical Society (*C. & D.*, June 25, p. 782) drawing the attention of medical practitioners to the provisions of Rule 12 in the Poison Rules. There is no doubt that many doctors are ignorant of, or else deliberately ignore, the rules governing the writing of prescriptions for the supply of scheduled drugs, and the chemist is placed in the awkward position of being himself liable to a penalty for a breach of the regulations, or else of refusing to dispense, thus offending both the customer and the doctor. I must admit that I was not aware that the Rule carried with it the power to prosecute the writer of the prescription. If this is so, after adequate warning has been given it is to be hoped that some of those prescribers who are still negligent or indifferent to their responsibilities will be faced with prosecution. Then perhaps the pharmacist will no longer have the unpleasant task of seeking out the doctor and asking him to correct his omissions, often to be met with a far from cordial reception.—Yours faithfully,

QUATERNUS (26/6).

## Earlier Closing

SIR,—I see that the West Ham Insurance Committee has decided against an application for permission to close pharmacies at 7.30 p.m. on Mondays, Tuesdays and Wednesdays, or, alternatively, to form a rota for this purpose with the other shops (*C. & D.*, June 11, p. 678). There may be some special conditions applying to the West Ham district which render an earlier closing inadvisable or impracticable, but there are places where the chemists manage to close at 7 p.m. and there are no complaints about an inefficient service. Now that we have adopted summer time, by closing at 7 p.m. chemists would be able to take advantage of two or three hours of daylight. Surely a rota system, especially where there are a large number of pharmacies in the area and more than one could take duty in turn, would not prevent any insured person from getting a prescription dispensed, and if it were only for the summer months it would give chemists a little more well-deserved leisure.—Yours faithfully,

EARLY CLOSER (11/6).

## Insurance Act Dispensing

SIR,—Under the heading of "Insurance Act Dispensing" in the *C. & D.*, June 18, p. 691, the old trouble of illegibly written prescriptions appears, but an entirely new feature of this case is the claim by the doctor for compensation and expenses for "waste of time and annoyance." If chemists were to institute similar claims through queries caused by irregularities in prescriptions, the Insurance Committees would have to remain in permanent session. Another point is one which applies particularly to the single-handed pharmacist, namely the necessity of having to leave the dispensing counter while dispensing a prescription in order to attend to customers or to answer the telephone. Considering the nature of the work and its accompanying responsibility, it should carry with it the ability to support itself, and to be undertaken in such a way that the dispenser would be free from interruptions. In another case reported an overdose was prescribed, and the chemist reduced it on his own initiative. It is perhaps only reiterating old advice to say that the best course with any doubtful prescription is to refer it back to the prescriber; but sometimes the doctor cannot be found immediately and the patient is waiting for the medicine. The chemist is thus faced with the alternative of refusing to dispense the prescription until the query is settled or to make it up according to his own discretion. Whichever course he takes, he is almost sure to be told he decided wrongly.—Yours faithfully,

QUESTOR (18/6).



## Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

*E. N. (24/6).—BLEACHING OF HAIR.*—The most suitable reagent would probably be hydrogen peroxide, 20 volumes, to which not more than 1 in 20 of strong solution of ammonia had been added.

*D. E. (20/6).—TONIC FOR CANARIES.*—A preparation on the lines you require could be made as follows:—

Powdered capsicum .. .. .	20 gr.
Powdered gentian .. .. .	1 dr.
Ferric oxide .. .. .	1 oz.
Sugar .. .. .	1 oz.

Treacle sufficient to make a mass. Put a piece the size of a pea into the cage daily.

*G. H. (24/6).—REACTION OF SALIVA.*—Normal reaction of saliva is independent of the condition of the teeth and gums, and is nominally slightly acid—the range being from pH 6.4 to 7.0. Bromothymol blue has a colour range of pH 6 (yellow) to pH 7.6 (blue). Values of pH between these two extremes can be roughly assessed from the colour produced by mixing the indicator with the saliva, but if a more precise reaction be required, a series of standard colour indicator tubes should be prepared, and the test saliva and indicator mixture should be compared with the standard tubes. The saliva should be diluted with distilled water in the ratio of 1 to 9. Use 10 c.c. of this solution with 1 c.c. bromothymol blue solution 0.01 per cent., and note the resultant colour of the mixture.

*G. C. (23/6).—FIRE-PROOFING SOLUTION.*—The following formula contains ammonium carbonate:—

Ammonium sulphate .. .. .	8 oz.
Ammonium carbonate .. .. .	2½ oz.
Boric acid .. .. .	3 oz.
Borax .. .. .	1 oz. 6 dr.
Water .. .. .	200 oz.

Dissolve then add:

Starch .. .. .	2 oz.
----------------	-------

Heat and stir until it boils.

Other formulas are as follows:—

I	
Sodium tungstate .. .. .	16 oz.
Water .. .. .	30 oz.

Dissolve in the cold, and add:

Sodium phosphate .. .. .	2 oz. 2 dr.
Water .. .. .	20 oz.

or a sufficiency of water to make the solution s.g. 1.140.

II	
Ammonium phosphate .. .. .	1 lb.
Ammonium chloride .. .. .	2 lb.
Water .. .. .	1½ gall.

*G. D. M. (Sierra Leone) (28/6).—DANGEROUS DRUGS.*—In this country a registered pharmacist carrying on a retail business duly registered is authorised to be in possession of dangerous drugs but cannot issue a prescription containing them nor supply them except on a prescription issued by a registered medical practitioner. It must be appreciated, however, that when a dangerous drug is contained in any preparation, other than an inert substance, in such proportion as to render the amount of dangerous drug therein less than the defined limits, the preparation is not a dangerous drug, and, provided the poisons regulations (Pharmacy and Poisons Act, 1933) are observed, the chemist can counter prescribe such a preparation and supply without restriction. For example: Tincture of opium, B.P., is a dangerous drug, but if added to, say, diarrhoea mixture so that the tincture is diluted more than 1 in 5, the diarrhoea mixture would be entirely outside the Dangerous Drugs Act and the Regulation made thereunder. When a preparation contains less morphine, cocaine, and so forth, than the prescribed limits, the preparation is no longer a dangerous drug, and so is automatically outside the Regulations. When the chemist uses the tincture of opium as explained above, he must record its use in the dangerous drugs register, otherwise his purchases and sales and stock would not balance. Once the dangerous drug has been diluted beyond the limit, no further record is kept in the Dangerous Drugs Act register.

*E. A. P. (27/6).—COMPULSORY VACCINATION.*—The question is so controversial that we could, at best, only give you a few pointers upon which you could form your own views. The following are the salient points of a discussion which appeared in "The Lancet," January 30, 1934:—

*For Abolition.*—Medical experience has shown that infant vaccination merely shifts the age incidence and reduces the total mortality among those who contract the disease. It fails to protect against the spread of infection of smallpox in a community. Further, it complicates the administrative control of the disease by increasing the proportion of abortive, and therefore undiagnosed, cases, since many of those who have lost complete immunity retain sufficient to modify the disease almost beyond recognition. Generally, it is reasonable to maintain that compulsory immunisation by a procedure which involves some danger to health and even to life, however slight, is permissible only if it assures the protection of the community as a whole and not merely the individual. Infant vaccination, without re-vaccination, affords no such herd protection. If obligatory vaccination be necessary, it should include re-vaccination of those who have lost their immunity. The whole problem would be altered if a dead immunisation antigen were discovered.

*Against Abolition.*—The removal of compulsion would, in the view of those most likely to know, immediately lead to a decrease in the number of vaccinations. Abolition would also immediately influence many who now regularly accept vaccination. Parents would argue that if it is not compulsory, it is now not necessary. Removal of compulsion will react detrimentally to progress in regard to other immunisations. The avoidance of vaccination in infancy, where the chance of harmful effects is infinitesimal, would defer the primary operation to a later period, where it may give more discomfort and greater possibility of danger. In the opinion of practitioners and officers who visit houses, there is no general demand for abolition, and, finally, once abandon compulsion, which means live, administrative, domiciliary pressure, and nothing is left but the dead hand of indifference.

*G. C. (24/6).—CINE FILM CEMENT.*—One of the following formulas will meet your requirements:—

I	
Glacial acetic acid .. .. .	1 part
Collodion flexile .. .. .	4 parts
II	
Glacial acetic acid .. .. .	1 part
Amyl acetate .. .. .	2 parts
Acetone .. .. .	2 parts
III	
Acetic ether .. .. .	3 oz.
Acetone .. .. .	1 oz.

Dissolve in it one foot of film.

## Retrospect of Fifty Years Ago

Reprinted from  
"The Chemist and Druggist," June 30, 1888

### The Seller of Poisons

Why is it that now, twenty years after the passing of the Act [Pharmacy Act, 1868], apprentices and unexamined assistants regularly sell poisons in chemists' shops, and do not know that they are infringing the law if the proprietor of the business happen to be on the register? We fear it must be replied that the main reason why this provision has been neglected is that it would not have been popular with the members of the Society or with the trade generally. But that explanation would not suffice to satisfy the Privy Council . . . ; and it must be admitted that they, on behalf of the public, have a right to insist that men who undertake the responsibility of dealing in poisons shall only permit them to be handled by persons officially certified to be competent. There can be little doubt, too, that it would be ultimately to the advantage of chemists themselves to provide such a safeguard without being forced to it by means of prosecutions.



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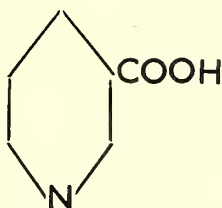
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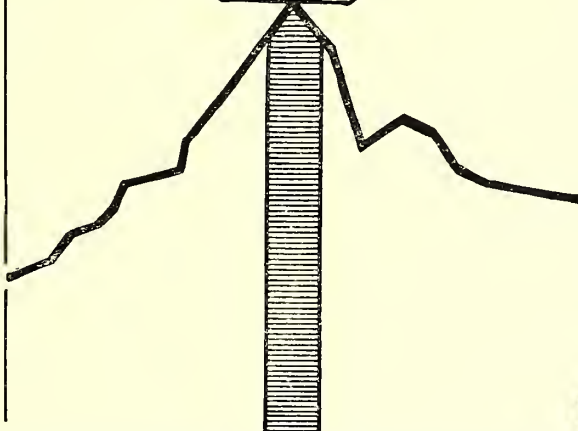
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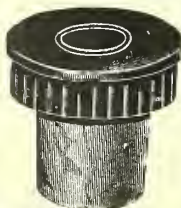
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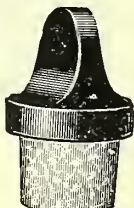
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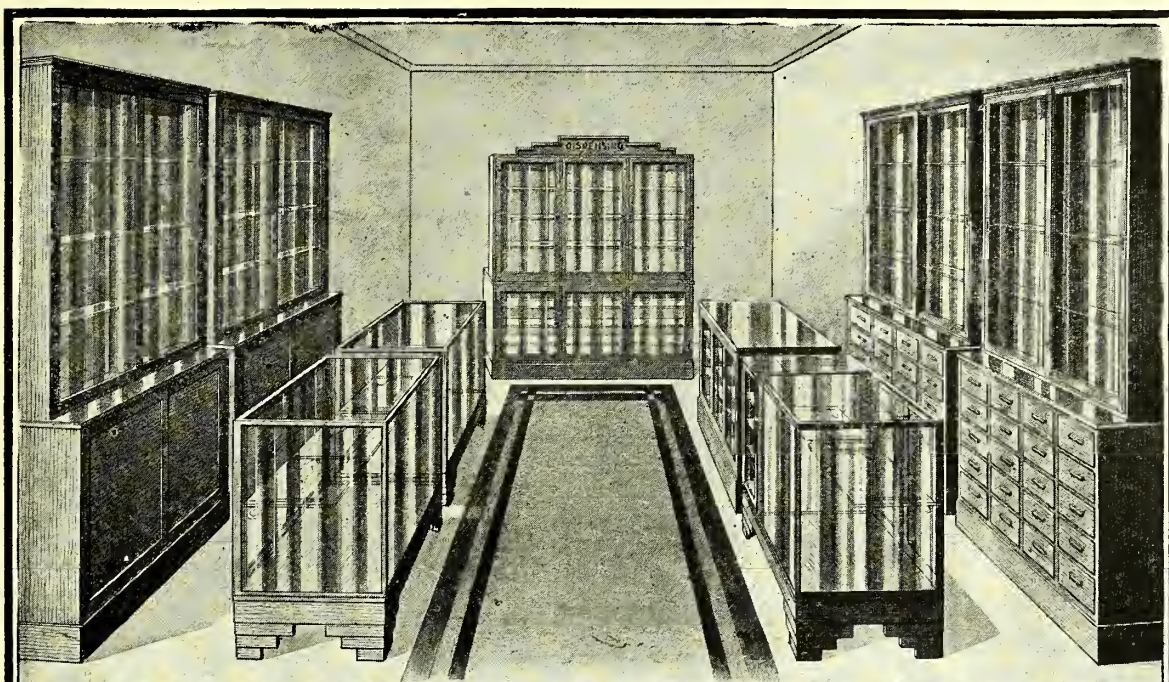
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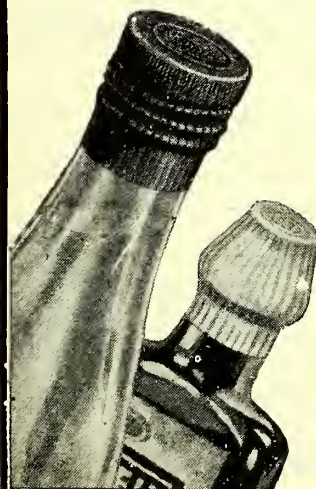
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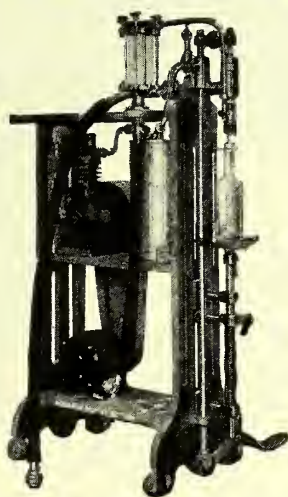
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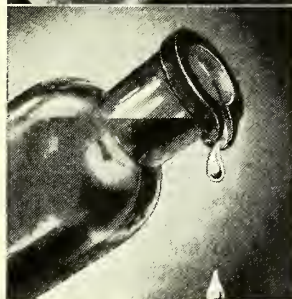
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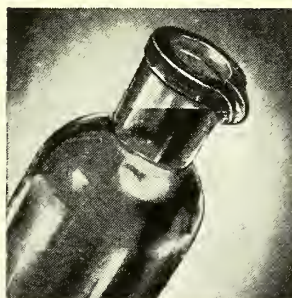
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JULY 2,  
1938

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4.—EAST END.—General Retail Business; turnover averages about £40 per week inclusive of Panel; living accommodation; new lease at £90 or less per annum; good, clean stock; inclusive purchase price required £600.

5.—DERBYSHIRE.—Old-established General Retail Business with valuable Proprietary attached; turnover last year £4,227; good profits; clean stock; large staff; price, including freehold which has been estimated to be worth £2,000, about £3,000, or near offer, or valuation terms would be considered.

6.—HUDDERSFIELD (NEAR).—Light Retail Business with N.H.I. £230 per annum; turnover last year £836; net profit £260; inclusive purchase price required £500; rent only £35 per annum.

7.—KINGSTON.—LIQUIDATION.—Well-established General Retail Business; takings last year £2,339; G.P. £733; stock estimated at £500; good living accommodation; first reasonable offer obtains; Liquidator wishes to sell forthwith.

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10.—READING.—Owing to the decease of Mr. Herbert Dyson, his good-class General Retail Business is for immediate disposal; turnover about £2,700 per annum; full particulars upon application; new lease; sole agents; price required for goodwill under £500.

11.—FINSBURY PARK (NEAR).—General Retail Business with excellent Panel; established 1870; turnover last year £1,619; net profit approaches £400 per annum; certified figures; heavy stock; excellent living accommodation; rent only £70 per annum; inclusive purchase price required £850 all at, or near offer; vendor buying another business.

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13.—WANSTEAD (NEAR).—Middle-class Business in main road; takings last year £2,344; beautifully fitted pharmacy; modern living accommodation; offers invited; genuine reason for sale; price for goodwill and valuable lease about £200; stock and fixtures at valuation.

14.—SOMERSET.—Village Business for sale; takings last year £1,025; net profit £300; price required for the business about £575; no near opposition; spacious living accommodation; property can be purchased or leased; price of property £675, of which sum about £550 can be raised on mortgage.

15.—BRISTOL.—General Retail Business occupying important site; cash takings, present rate £32, plus N.H.I.; scope; exceptionally valuable lease; stock and fixtures worth about £800; inclusive purchase price required £1,200 approximately, or valuation terms entertained.

16.—SURREY.—General Retail Business taking about £3,000 per annum; valuable lease; excellent fixtures; heavy stock; increasing turnover; genuine reason for sale; inclusive purchase price about £1,800 or near.

17.—HARROW.—Mrs. Breingau is desirous of disposing of her late husband's business forthwith; turnover average over £40 per week under management; Arden Agency; stock and fixtures worth about £1,000; no reasonable offer refused; two flats over.

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20.—NORWICH.—Middle-class Retail Business occupying excellent position; takings £1,672; N.P. £413; chartered accountant's figures; stock £500; inclusive purchase price £750 or near offer.

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22.—EASTERN COUNTIES (DEATH VACANCY).—General Retail Business occupying important position in City; turnover last year £707; net profit £270; stock £178; rent only £50 per annum; inclusive purchase price required £250.

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(C6) PRESTON.—Good profit-earning Business, with steadily increasing turnover; returns for 1936, £1,167; 1937, £1,261; N.H.I. 600-700 scripts monthly; property can be purchased or taken on lease at a rental of £52 per annum; stock and fixtures estimated at £450; price all at £600.

(C7) FLEET STREET (NEAR).—City Business with steadily increasing turnover, now at the rate of £40-£45 per week; no week-end duty; good scope; price £750 all at, or reasonable offer; genuine reason for selling, which we can substantiate.

(C8) HARROW ROAD.—Branch Business occupying main road position; turnover £25-£30 weekly; rent entirely covered by income from sub-letting; price for quick sale £450 all at, including stock £250. **Part could remain.**

(C9) BARNET.—Middle-class Business situated in populous district; turnover for 1936-37, £1,343; good living accommodation, with four bedrooms, bathroom, etc., rent £70, rates £29; price £750 all at.

(C10) CLAPHAM (NEAR).—Attractive well fitted Pharmacy, with genuine scope for increase; turnover upwards of £1,500 per annum; gross

profit about 35 per cent.; living accommodation, which has recently been redecorated; price £850, including stock (£450-£500), and fixtures (about £200); reasonable offer considered.

(C11) LEYTONSTONE (NEAR).—Main-road business with living accommodation; turnover for 1936-37, £1,451; gross profit £617; good N.H.I.; rent £65; lease 14 years unexpired; genuine scope; owner retiring; price £900 all-at; reasonable offer considered.

(C12) NORTHWOOD (NEAR).—Attractive modern Pharmacy, occupying prominent corner position; turnover upwards of £1,800 per annum; up-to-date flat; rapidly developing district; price £1,050, or near offer.

(C13) GRAVESEND.—Modern Pharmacy occupying main-road position; good living accommodation; rapidly increasing turnover, which for 1937-38 amounted to £1,750; net profit £450-£500; excellent scope; no near opposition; stock and fixtures estimated at £900; price all-at £1,000; property also could be purchased if desired, or lease will be granted at a rental of £91 per annum, plus rates about £17.

(C14) LIVERPOOL.—City Business with steadily increasing turnover; returns for 1937, £2,510; this year is expected to reach £3,000; very reasonable net rental; excellent position, near to leading multiples; price £1,250, including stock £600; valuation terms if preferred; **part can remain.**

(C15) SUSSEX (MARKET TOWN).—Increasing business with remunerative delivery service; turnover for 1936-37 financial year, £2,623; gross profit about 35 per cent.; rent £65 inclusive; lock-up shop; price £1,700 or near offer.

(C16) MERSEYSIDE (RETIREMENT VACANCY).—General cash business with good N.H.I.; turnover for 1937, £1,333; net profit £385; property can be purchased or lease will be granted at a rental of £70 per annum; in present hands during past 26 years; price all-at £800.

(C17) BAKER STREET (NEAR).—Old-established, family business, in present hands during past 18 years; turnover for 1937, £1,152; net profit stated to exceed £400; Accountants' figures; reasonable overheads; long lease; price £550 all-at.

(C18) BOURNEMOUTH.—Attractive and well-fitted Pharmacy with excellent living accommodation; main-road position; turnover approximately £1,400 per annum; net profit about £260, but these figures represent no criterion of possibilities; price all-at £700, representing little more than value of stock and fixtures.

(C19) GLOUCESTERSHIRE (DEATH VACANCY).—Old-established; turnover approximately £1,500 per annum; prominently situated Pharmacy with living accommodation; rent £80 or property can be purchased at very reasonable figure; little opposition; price £850 all-at.

**Valuations for transfer, probate, income tax, etc., promptly executed at economical rates**

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1.—HANTS COAST.—Good middle-class Business, in main-road position; returns average £1,750, net profit £400; good house; well stocked; price about £1,100.

2.—CHESHIRE (MARKET TOWN).—Well-established light Retail; turnover £1,620; net profit £350; stock worth £400; price £800, valuation terms arranged.

3.—WESTCLIFF (NEAR).—Good middle-class Business, in good main road position; returns £1,172; books audited; rent £78 clear; bold corner shop, well stocked; price £600 or valuation.

4.—LANCS COAST.—Light cash Retail, in good position; returns £1,850, at good profit, books audited; large corner shop; fully stocked; price £900.

5.—YORKS (W. RIDING).—Old-established Business under manager and neglected; returns about £750, was doing £1,300, and can again; low rent; owner retiring; price £550 or valuation; stock reduced to suit purchaser.

6.—HERTS.—Good-class Business, in busy town; main road position; returns over £1,400; scope for increase; modern Pharmacy, fully stocked; price £925 or near offer.

7.—EAST COAST.—Good-class Business, in pleasant seaside resort; returns over £1,300, increasing; good profits; excellent house and garden; price £700 or near offer.

8.—CANONBURY (NEAR).—Light Cash Retail, with good Panel; returns approach £2,000, net profit £450; smart double-fronted shop, fully stocked; price £950 or close offer.

9.—WIMBLEDON (NEAR).—Good middle-class Business, returning over £1,000, net profit over £250; nice house and shop; well fitted and fully stocked; price £575.

10.—LONDON, N.11.—Sound light Cash Retail, in main road position; returns over £1,200, net profit £315; lock-up shop, well stocked; price for quick sale £500.

11.—TOLLINGTON PARK (NEAR).—Old-established Drug Stores in densely-populated district; returns about £800 under female; plenty of scope in Qualified hands; price £275, or first reasonable offer.

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MY PERSONAL & CONFIDENTIAL SERVICE is available to pharmacists in all parts of the British Isles, in respect of matters of business transfer, valuations for sale and purchase, probate, partnerships and Income Tax requirements.

Interviews arranged to suit clients' convenience.

## BUSINESSES FOR DISPOSAL

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

CORNWALL.—Attractive established seaside Chemist's and Optician's Business, showing excellent profits, together with a sub-Post Office, salary £180 per annum; good living accommodation; splendid position; part purchase can remain. Particulars, Champion, Agents, Camborne.

FOREST GATE.—Middle-class Family Business; thickly-populated district; absolutely no opposition; definite scope for Qualified Chemist; at the moment being run as a Drug Store; Selo agency; good D. and P.; price, inclusive, £450. Full particulars upon application. Write 220/34, Office of this Paper.

HULL.—Established main road branch for sale; turnover last year £1,800; low lease can be obtained if required; small goodwill and stock and fittings at valuation (about £700 all in). Full particulars and reason for disposal given to genuine buyers Apply, 220/21, Office of this Paper.



**LONDON, S.W.**—Drug and Surgical Store; busy main road thoroughfare; fairly stocked and neatly fitted; established 5 years; very low rental; lock-up shop; price asked for quick sale owing to ill health £125, of which part could remain; weekly takings average £10-£15. Further particulars on request, 329/962, Office of this Paper.

**MIDLANDS.**—Genuine Business with branch shop; vacant houses attached; good leases; main business unopposed; fullest particulars to bona-fide enquirers; cash price, £2,000 the two; no Agents need apply; would consider sale of main business only. 219/17, Office of this Paper.

**NOTTINGHAM.**—Old-established Chemist's Business in populous residential suburb; splendid position in heart of shopping area and close proximity to many leading multiple traders; fixtures and stock at valuation; own freehold premises, but would let on lease. Further particulars apply W. H. Harlow & Son, 14 Lower Parliament Street, Nottingham.

**OLD-ESTABLISHED** small Drug and mixed Retail business in the country, with house and premises, for disposal; could be much increased under capable management; a knowledge of Horse and Cattle medicines desirable; no opposition; 1 mile from station; nearest town 13 miles; buses twice a week; good water supply, electric light; early closing. "Business," 219/5, Office of this Paper.

**PROGRESSIVE** Chemist Business for sale; heavy N.H.I., Toilet and Photo, Rexall and Trade, D. and P. connexion; very low overhead expenses; inspection any time; genuine reason for disposal; double-fronted corner shop, main road. Apply, Leach & Hargreaves, Chartered Accountants, Darwen. Certified figures available.

**PROPRIETARY COSMETICS.**—Goodwill, Trade Mark, Formulas, Stock, Plant for sale; established chain stores, multiple shops, Chemists; capable rapid expansion with modern marketing. 329/953, Office of this Paper.

**£275.**—CASH RETAIL N.H.I.; established 51 years; owner retiring; conditions for new lease could be discussed; main London road; good position. Particulars from Danwer, 220/14, Office of this Paper.

## BUSINESSES WANTED

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**CHEMIST** requires sound business, now or shortly, in Doncaster district or Yorks West Riding; used to medium-class counter trade and heavy N.H.I.; return upwards £30 weekly; no Agents. Full particulars in strict confidence to 219/3, Office of this Paper.

**WANTED** immediately by private Chemist, a sound good-class business; Midlands preferred; minimum net profit £500 per annum; auditor's figures required; ample capital available; bankers' references; replies treated with strictest confidence. Apply, Chemist Optician, 220/53, Office of this Paper.

## PREMISES TO LET

### HAMPTON COURT

Prominent Main-road position facing Station.

### MODERN PARADE OF SHOPS.

Frontages, 8 ft.-24 ft. Rents, £80-£150 per annum.

Excellent opening in rapidly developing district.

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**HERNE HILL**, Main Road, close Station, etc.—Shop (formerly Chemists) and upper part; £100 per annum exclusive, or shop and room would be let as lock-up at 35s. per week inclusive. John Bott & Sons, opposite Herne Hill Station, S.E.24.

**ILFORD, ESSEX.**—Fine opening for Chemist in sound trading position, at very moderate rent. Apply P. E. Brand, Ltd., 345 Eastern Avenue, Ilford, Essex.

## WEST LONDON PROMINENT CORNER POSITION

The remaining Units in a Modern Parade of Lock-up Shops

TO BE LET

At Low Commencing Rents of

£50 per annum exclusive

To enable Tenants to become well established; eminently suitable for a Chemist. Apply Owner's Agents, GODDARD & SMITH, 22 King Street, St. James's, S.W.1. (WH. 2721) or Hillier, Parker, May & Rowden, 25/7 Maddox Street, W.1 (MAY. 7666).

**CHEMIST'S Opportunity**; spacious Shop, one of four, next to Doctor's house, in main road, Byfleet, Surrey; residential and fast-growing district; near Brooklands and large works; rear entrance; room for garage; all services; full-term lease, £90 per annum exclusive. Apply Ely, Corner House Cafe (adjoining), High Road, Byfleet, Surrey.

**EXCELLENT** opportunity for Chemist and Druggist in new building, central position; fine frontage; L.C.C. and private flats; market; no opposition; reasonable rent to reliable occupier. For further particulars, arrangements to view, etc., apply G. Pick, 43 Chisold Road, N.16.

## NEW SHOP

**MAIN ROAD**, near Woking, Surrey; nice modern accommodation; rent and rates 47s. weekly, on valuable lease; lessee fitted shop for relative; dispute prevents opening; costs of lease, fixtures, fittings, etc., and quarter's rent ALL PAID FOR; will accept ingoing of only £95 from a bona-fide Qualified man. Appointment to view willingly. Write Advertiser, 6 Riverside Drive, Staines, or 'phone Staines 2513.

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Adjoining Super Cinema.

ADMIRABLY SUITED FOR CHEMIST & DRUGGIST.

Landlord would join with £150 CASH to APPROVED APPLICANT.

Populous Area. Apply 329/954 Office of this Paper.

## TRADE MARKS FOR SALE

**FOR SALE**, the following three Trade Marks: LYNO, ANTIKENE, NITENE; all registered for another 12 years; Marks registered in Class 3 for use in Medicines; cheap offers for three or separate offers will be accepted. Apply 211/2, Office of this Paper.

## AGENCIES

**MANUFACTURING** Chemists, with organisation covering the whole of Australia, seek additional lines for Chemicals, Drugs, Sundries, etc.; advertisers have a well-equipped factory and would be prepared to manufacture under licence; excellent opportunity of obtaining new business in Australian market through vigorous and progressive company; representative is in London. P.C.B. 286/18, Office of this Paper.

**ONE** of the Directors of Fairbairn, Wright, Ltd., general merchants, with branches throughout New Zealand, is in England and would consider Agencies for suitable British products. Communicate with Laughland, Mackay & Co., Ltd., Candlewick House, London, E.C.4.

**YOUNG** gentleman, with 7 years' Pharmaceutical experience, going to South Africa, invites additional Agencies, Manufacturing Chemists' Specialities; first-class references given. Forman, 12 Park Hill, Prestwich, Lancs.



## PARTNERSHIPS

**WANTED.**—Partner with capital for commercial exploitation of a new Herbal Extract against internal complaints; best testimonials and references; any wanted investigation readily given. P.C.B. 287/2, Office of this Paper.

## EDUCATIONAL

**14 VACANCIES WAITING TO BE FILLED BY QUALIFIED CHIROPODISTS.**—Special preference will be given to students graduating, M.N.I.Ch., at the National School of Chiropody, at the conclusion of the next intensive six months' course shortly commencing. Opportunities given to prospective students to interview employers concerned before they start their training. Exceptional practical training in Foot Hospitals treating over 100,000 patients annually. Expert medical and technical staff and most modern equipment. Write for Prospectus to: Secretary, National School of Chiropody (Dept. 90), 135 Upper Street, London, N.1.

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will sell by Auction, WEDNESDAY NEXT, JULY 6, at 12 noon. View day prior. Catalogues on application. Tel. NAT. 6463.

## APPOINTMENTS

WILLESDEN BOROUGH COUNCIL.  
HEALTH DEPARTMENT.

**THE** Corporation of Willesden require a part-time Assistant Pharmacist for three hours each week-day. Remuneration, 2s. 6d. per hour.

Applicants must be under forty years of age and graduates in pharmacy of a recognised university or hold one of the qualifications of Pharmaceutical Society of Great Britain.

The appointment will be a temporary one unless and until otherwise determined by the Council.

Application forms can be obtained from the Medical Officer of Health, Health Department, 54 Winchester Avenue, Kilburn, London, N.W.6, and must be returned not later than Monday, July 11, 1938, at 9 a.m. Envelopes must be endorsed "Part-time Assistant Pharmacist."

W. T. PIRIE,

Deputy Town Clerk,

Town Hall,  
Dyne Road,  
Kilburn, London, N.W.6.

## SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**BIRMINGHAM.**—A Manager (Qualified man) required for small business in industrial area. Please send full particulars of experience and salary required to Atkinson, Chemist, 192 Birchfield Road, Birmingham.

**BRIGHTON.**—Junior Qualified Assistant required; excellent opportunity to gain first-class experience. Full particulars age, height, previous experience, salary expected and when disengaged. 329/948, Office of this Paper.

**BRISTOL DISTRICT.**—Wanted immediately, Qualified Assistant (lady or gentleman) for a country Pharmacy. Full particulars, with photo, to Evans' Pharmacy, Ltd., Paulton, Nr. Bristol.

**BRISTOL.**—Wanted, Qualified Lady to take charge of small branch. Apply, giving full particulars, to F. H. Moss & Co., Ltd., 120 Whiteladies Road, Bristol.

**EAST COAST.**—Unqualified Junior Assistant (male) for July-August; must be quick at Counter and have some knowledge of Photography. Apply, particulars of age, experience, salary required, with reference. Applications not answered in 7 days respectfully declined. 220/31, Office of this Paper.

**LONDON.**—Assistant (Qualification not essential) for holiday relief work until end of September; one accustomed middle-class trade preferred. Give full particulars experience, names of references, when disengaged, age, salary expected. Apply (letter only), Chemist, 300 Amhurst Road, London, N.16.

**LONDON.**—Manager, Qualified Male, required shortly for branch business in good district; previous managerial and staff control experience desirable. Applicants kindly state full particulars age, experience, etc., when available for interview and remuneration required. 220/170, Office of this Paper.

**LONDON, N.**—Qualified Chemist to take charge of Branch; must be good Dispenser and accustomed to Counter. State salary and give usual particulars; permanency if suitable. Write or interview any time, Bow Drug Stores, Ltd., 39 Devon's Road, E.3.

**LONDON, N.E.**—Qualified male required for good-class Pharmacy; comfortable and permanent situation for good all-round man. 220/10, Office of this Paper.

**LONDON, N.16.**—Young Male Assistant, Unqualified; shortly required for branch business; should be experienced Dispenser and courteous and capable on Counter; comfortable berth for right man. Please give full particulars age, previous experience, commencing salary expected and when free. Interview. 220/17, Office of this Paper.

**LONDON, WEST.**—Young Qualified Man required for relief duties; view permanent management later; immediate vacancy; previous West End experience not essential. Write 329/957, Office of this Paper.

**LONDON, W.1.**—Qualified Assistant (male) for high-class Retail and Dispensing business. Apply, with full particulars, stating age, height, previous experience and salary required, 220/51, Office of this Paper.

**LONDON, W.1.**—Wanted, Manager, Qualified, for Retail Chemist's business. Reply, stating age, experience and salary required, to 218/8, Office of this Paper.

**MANCHESTER.**—Qualified Lady Chemist required for high-class Pharmacy; good Dispenser; interested in Toilet Trade; permanency. Write, giving particulars, to 329/955, Office of this Paper.

**NORTHAMPTON.**—Young Lady Qualified Chemist required immediately; permanent appointment. Write 329/956, Office of this Paper.

**SOUTH KENSINGTON.**—Assistant required, male; one who has had experience in good-class Dispensing and Retail business. Apply by letter only, with full particulars of experience and salary required, W. Green, 156 Cromwell Road, London, S.W.7.

**SOUTH OF ENGLAND.**—Unqualified Assistant required for holiday and seasonal duties during season; immediate appointment; view permanency. Write 329/959, Office of this Paper.

## PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.



**SOUTH STAFFS.**—Qualified Assistant required for Dispensing and Counter; middle-class business; must be energetic and capable. Replies please state salary required (to live out), and enclose photograph and recent reference. 329/951, Office of this Paper.

**SURBITON, S.W.**—Qualified Assistant for high-class Retail and Dispensing business; comfortable berth, progressive salary. Apply, with full particulars of experience and salary required, Chas. Lowe & Co., opposite Station, Surbiton.

**SURREY.**—An experienced Unqualified Assistant, either sex, for quick Cash Business; tactful Salesman, conscientious and interested worker; progressive post for reliable applicant. State experience, age, height and salary (outdoors), 220/52, Office of this Paper.

**A YOUNG** Qualified Assistant, willing and capable, for Dispensing and Counter; able to take charge when required; permanency; good prospects if suitable. Please state age, height, experience, salary expected, when at liberty to I. M. West, Ltd., 11 High Street, Crayford, Kent.

**ASSISTANT** wanted immediately till October 9, for light Retail, Dispensing and Photographic business; please give particulars of age, copies of references, salary required outdoors, height, etc., in first letter. F. N. Webb, Chemist, Queen Street, Southwold, Suffolk.

**AT ONCE**, Unqualified Manager for Drug and Surgical Stores; no Dispensing; branch shop in small Midland town; wages 50s. per week, plus commission on turnover; state age, married or single, etc. Hulme's, Ltd., 82 Upper Parliament Street, Nottingham.

**BRANCH** Manager, married, required as soon as possible; good living accommodation; permanency and generous terms offered to suitable applicant. Apply, stating age, experience, etc., to H. Hocken, Ltd., 33 Station Road, Redhill, Surrey.

**CHEMIST-OPTICIAN** (S.M.C. or B.O.A.) wanted, permanent; good appearance and address; references required (age not over 35). Apply, giving usual particulars of experience, etc., to T. Jones Davies, 33 Terrace Road, Aberystwyth.

**ELDERLY** M.P.S. required for S.E.1 London; light duties; easy post; no duties after 1 p.m. Thursdays; no Sunday duties. State particulars and salary (which must be moderate). Apply by letter only to Occupier, 151 Perry Hill, Catford, S.E.6.

**EXPERIENCED**, Unqualified Assistant; Counter, Dispensing, Photography and Window-dressing. Apply, stating age, height, experience, salary required, enclose recent photograph. Also Junior Qualified for 2 months' season, with view to permanency, with above particulars, to Long & Strickland, High Street, Bognor Regis.

**IMPROVER** or Junior required for Somerset seaside town; willing and active, with knowledge of Photographic desirable. Give full particulars in first letter to 222/2, Office of this Paper.

**JUNIOR** Assistant required for good-class Family business with a fair amount of Dispensing (age about 20); someone passed Part 1 preferred. Send photo and fullest details of all experience in first letter to Bellamys, 247 Ilfley Road, Oxford.

**JUNIOR** Assistant wanted, 48-hour week; state experience and salary required. Morley, Chemist, Love Lane, Stockport.

**LADY** Assistant required, Unqualified; permanency if suitable. Kirkman, Chemist, New Milton, Hampshire.

**MANAGER** for branch, Surrey; £4 weekly and modern flat free. 329/963, Office of this Paper.

**PHARMACY.**—Female Assistant required; must have had general and Pharmaceutical experience; widows and single persons only considered. Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Limited, 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee or Officials will disqualify.

**QUALIFIED** Assistant, M.P.S., required immediately for London, S.E.; permanency; for Counter Sales and N.H.I. Dispensing. 220/6, Office of this Paper.

**QUALIFIED** Assistant wanted as soon as possible. State salary, experience. Black, 142 High Street, St. John's Wood, N.W.8.

**QUALIFIED** Chemist and Optician, registered, wanted as Manager; permanency; must have good appearance and address. Kindly state full particulars in first letter; willing to wait for the right man. 219/14, Office of this Paper.

**QUALIFIED** Chemist required for relief duties in London; working class district; good permanency to suitably experienced man. Write 329/958, Office of this Paper.

**QUALIFIED** Lady for Branch. Patterson, Chemist, Claygate, Surrey.

**QUALIFIED** Manager wanted for high-class business. Apply by letter in first place, stating age, height, experience and salary required, Mills, Chemist, Mealhouse Brow, Stockport.

**TEMPORARY** Unqualified Junior Assistant for July, August and September, for good-class Retail with Photographic Department. State salary and usual particulars to A. J. Wing, M.P.S., 69 Powis Street, Woolwich, S.E.18.

**UNQUALIFIED** Assistant required N.W. London; must be quick and accurate Dispenser with Counter experience and pleasing manner. Reply, stating experience, age and salary required to 329/964, Office of this Paper.

**UNQUALIFIED** Assistant wanted, young, experienced in Dispensing, for good-class Pharmacy; no half-day or Sunday duty. Apply, giving usual particulars. Also an Apprentice wanted. Beeston, Chemist, Norwich.

**UNQUALIFIED** Assistant, young, lady or gentleman, required immediately. Apply, with particulars, salary required and photograph, which will be returned, Murrays, 14 Electric Parade, Clacton-on-Sea.

**UNQUALIFIED** Assistant (23-26), lady preferred, required at once for high-class Drug Stores; highest references essential, and a knowledge of Dispensing an advantage. State experience, age and salary required to Marshall & Marshall, 309/11 Lincoln Road, Peterborough.

**UNQUALIFIED** Junior Assistant, male; experienced in Dispensing and Counter. Send full particulars, age, height, experience and salary required, Crawford, Chemist, Horley, Surrey.

**UNQUALIFIED** Junior Assistant (male), for high-class Medical and Dispensing business; South Coast seaside resort; opportunity to obtain valuable experience. Please give full particulars and photo in first letter. 329/949, Office of this Paper.

**WANTED.**—A Qualified Chemist, accurate Dispenser, good Window-dresser and Salesman; smart appearance; honest and trustworthy. Apply K., 77 High Street, London, N.W.1.

**WANTED** as soon as possible, Improver or Unqualified Assistant (male); experienced and used to quick N.H.I. Apply in writing, stating salary required, or personally, to O. Tobin, Ltd., 49 Harford Street, Mile End, E.1.

**WANTED** at once, Unqualified Junior Assistant, experienced in Dispensing and Counter. Send full particulars of age, experience and salary required, Emslie, Chemist, Frinton-on-Sea, Essex.

**WANTED**, Junior Assistant for Counter, July 25 to September 24; knowledge of Photography; testimonials first letter. Chemist, 6 Eversfield Place, St. Leonards.

**WANTED**, Qualified Assistant (male) for West End Pharmacy. Also Locum (Qualified) for weeks commencing July 4, July 18, August 1, August 8, August 15. Apply, giving full particulars, to G. D. Murphy, Secretary, Hygienic Stores, Ltd., 143 Charing Cross Road, W.C.2.

**YOUNG** lady Assistant wanted for Stock-keeping and Counter work; state in first letter age, experience and salary required. Harold Lyon, 18 Formosa Street, Warwick Avenue, W.9.

**YOUNG** Lady, Qualified, thoroughly experienced Dispenser; Central London; permanency. Apply "Z," 329/952, Office of this Paper.

**YOUNG** Qualified Chemist Assistant, also Optician (O.B.A.C.), preferably with Pharmaceutical experience, required. Apply immediately, stating age, experience, qualifications and salary required to the Peterborough Co-operative Society, Ltd., Park Road, Peterborough.

#### VACANCIES FOR LOCUMS

**LONDON, S.E.**—Wanted for Provident Dispensary, holiday duty, Qualified Pharmacist, sole charge; four weeks commencing August 8. Apply 220/3, Office of this Paper.

**LOCUM**, Qualified, required for 4 or 5 weeks from August 15, approximately; easy hours; no Sunday or closing-day duties. Usual particulars to Fortnam, Chemist, Church Street, Lutterworth, Rugby.



**M.P.S.** WANTED at once as Locum (or permanency) for Retail and Dispensing business in West Central district. Apply, with full particulars, 220/39, Office of this Paper, or 'phone TEM. BAR 8920.

**Q**UALIFIED Chemist or Chemist-Optician for August 8 to 20 in N.W. London. State salary, outdoors. 221/2, Office of this Paper.

**U**NQUALIFIED Locum, either sex, required from July 18 to August 6 inclusive, and September 3 to 16 inclusive. Particulars to Howarth, Chemist, Stevenage, Herts.

### WHOLESALE

**N**ORTHERN IRELAND.—Representative required to cover the interests of an old-established house on a part-time basis to Hospitals, Nursing Homes, Doctors, Dentists and Chiropodists. Full particulars in the first instance to 329/961, Office of this Paper.

**C**ASH Register Salesmen required, to handle well-tried British Register in growing demand, at competitive prices. Experienced men with own car, prepared to work on liberal expenses and commission basis, should apply to G. H. Gledhill & Sons, Ltd., Trinity Works, Halifax.

**M**ANUFACTURING Firm offers employment one day each week to capable Lady Chemist who can undertake analysis of their various products; permanency. Write, giving details of experience and salary per day expected, in confidence, to 329/966, Office of this Paper.

### MEDICAL REPRESENTATIVE FOR SCOTLAND

ROUSSEL LABORATORIES, LTD.,  
36 Cavendish Square, W.1.

**E**XPERIENCED man wanted, residence SCOTLAND, full-time appointment.

Applications, with full particulars and references, to the Managing Director.

**R**EPRESENTATIVE wanted for Lancashire area, calling on Chemists and Doctors, with high-class Pharmaceutical products; fixed salary and good commission. 220/48, Office of this Paper.

**R**EPRESENTATIVE WANTED.—S. Wales, South England, Home Counties, Norfolk, Suffolk, Lines; established Medicinal Lines; commission basis. 329/965, Office of this Paper.

**R**EPRESENTATIVES.—An opportunity to add £25 per week to your income; 15 per cent. commission and inclusive territory to the right men with good connexions to handle a proved seller. State fully area covered, lines carried and references, in confidence, to 329/950, Office of this Paper.

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**A** RELIABLE Qualified Chemist desires post as Manager; good all-round experience, with excellent references; London area preferred. Apply Chemist, 155 Lordship Lane, N.17.

**A**N experienced Qualified man seeks permanent progressive position with good-class Pharmacist; provincial or country; partnership or succession welcomed; Optics an asset, not essential. Write, M.P.S., S.M.C., 54 Tenison Road, Cambridge.

**A**SSISTANT (26), Unqualified, desires to resume Pharmacy; full knowledge of N.H.I. Dispensing; Counter and Window-dressing retained; moderate salary until ability proved. "D. B.," 44 St. George's Road, Forest Gate, E.7.

**B**IRMINGHAM district, Peterborough area or London preferred; not essential; thorough all-round experience; Locum work undertaken. Hanley, 180 Lozells Road, Handsworth, Birmingham.

**L**ADY Dispenser (Hall), two years as chemists' pupil; locum or permanent London or Hampshire preferred; not essential; Doctor or hospital preferred. 219/13, Office of this Paper.

**L**ADY Dispenser, young, Hall Qualification; privately educated; institution trained; careful, competent; seeks position Institution or Doctor. 220/4, Office of this Paper.

**L**ADY (19) Unqualified, seeks permanency in London or suburbs; two years' experience Dispensing and Retail. State salary offered, 219/12, Office of this Paper.

**L**ATE Duty, Qualified; excellent West End experience; highest references. 220/2, Office of this Paper.

**M.P.S.**, O.B.A.C., wants position as Superintendent; 50 years' experience. 220/29, Office of this Paper.

**P**HARMACIST (middle-aged), at present Managing, desires situation, view early partnership or succession; capital £1,200. 220/30, Office of this Paper.

**Q**UALIFIED Manager, disengaged; excellent credentials; 15 years' experience, 6 years with multiple firm. Pharmacist, 46 Powerscroft Road, Clapton, E.5.

**Q**UALIFIED Manager (31), married; experienced all branches (London and Provincial); open for engagement by reliable firm (private or multiple); familiar with trade, Developing and Printing, and modern high-priced photo apparatus, ciné, etc.; interview appreciated. "Chemist," 260 Branstone Road, Burton-on-Trent. Phone 2263.

**U**NQUALIFIED (age 40), experienced all branches; Harrogate and London; last situation 6 years. Gibbs, 234A Camden Road, N.W.1.

**Y**OUNG Pharmacist, desirous of obtaining further high-class Retail experience, desires permanent position; moderate salary if prospects good; Lancashire preferred; first-class references. 219/90, Office of this Paper.

### LOCUMS SEEKING ENGAGEMENTS

**A**CTIVE, energetic Assistant (46); tall; Unregistered; best experience in all capacities; locum or permanency; disengaged. Haigh, 37 Fairholme Road, Harrow.

**A**S Locum (52), ex-owner, all-round experience, free July 2-9. Phone Locum, Hendon 2634.

**C**APABLE Qualified Lady, free August 1-13 and September; Hospital or Retail; highest references. 220/5, Office of this Paper.

**E**XPERIENCED Locum, Pharmacist, well recommended; free August 1-13. Howell, 11 Muswell Hill Road, Muswell Hill, N.10.

**E**XPERIENCED Qualified Dispenser desires Locum work with Doctor or Chemist. Apply Miss K. Hamill, 43 Hebden Road, Upper Tooting.

**L**OCUM, Qualified, registered O.B.A.C., either temporary or permanent; reliable; disengaged. Ellis, 53 Stowupland Street, Stowmarket.

**L**OCUM, Qualified (24), disengaged July 11-17; all-round experience; London area preferred, but not essential. Pharmacist, 266 Anlaby Road, Hull.

**L**OCUM (55), vacant dates, July 8 to 23, or after September 10; moderate terms. Butler, Aubreys Cafe Hotel, Andover, Hants.

**P**HARMACIST Locum immediate and later bookings. "Pharmacist," 118 Durlham Road, Feltham, Middlesex.

**P**H.C.—Locum, 6 years' Hospital and Retail experience; free July 18. Write terms, Radford, "Uplands," Stonehill, Hanham, near Bristol.

**Q**UALIFIED (48), Locum or permanency; London and provincial experience; Free July 2. Chemist, 3 Rosemount Road, Burton-on-Trent.



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**REPRESENTATIVE**, London and Eastern Counties, requires one or two additional lines; expenses and commission essential. Chemist, 6 Trevelyan Gardens, Kensal Rise, N.W.10.

**SURGICAL** Instruments and Appliances; wanted, situation, Manager or Assistant; long experience all branches, mainly with Wholesale Drug Firms doing Doctors' Trade; satisfactory references; preferably London or Midlands. Address Sparkenhoe, 218/5, Office of this Paper.

**TRAINING**, long experience, excellent records; health; address; car; Representative, Propagandist; salary and expenses. "Saggiarius," c/o Jackson, Rowan Avenue, Boothville, Northampton.

**YOUNG** Qualified Pharmacist desires post with Wholesale or Manufacturing Chemist; first-class Retail, Manufacturing and Clerical experience; moderate salary if prospects good; excellent references; North preferred, but not essential. 219/9, Office of this Paper.

### COLONIAL, INDIAN AND FOREIGN

**QUALIFIED** Pharmacist (Honours) (aged 30), pleasing personality, conscientious, 10 years' experience of Pharmacy, expects to go to Australia, should like to hear from progressive Manufacturers with view to appointment as Medical Representative out there. Replies, Pharmacist, 426 Clonard Road, Kimmage, Dublin.

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**FOR SALE**—Sifter and Mixer by Gardner, nearly new, capacity about 150 lbs. 328/930, Office of this Paper.

**FOR SALE**—Simon Vertical Grinding Machine with 12 in. Emery Compo Stones, also similar with 30 in. stones. 328/932, Office of this Paper.

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**FOR SALE**—3 ft. 6 in. Portable Stone Mill, complete with Crane, also 4-sheet x 40 in. Hexagon Reel Dressing Machine. 328/931, Office of this Paper.

**IDEAL CHEMIST SHOP FIXTURES** and Fittings, New, Second-hand and Shop-soiled, to be selected from our varied stock, at advantageous prices. Carboys, Shop Rounds, Cash Registers, Tills, Scales, Dispensing and Personal Weighing Machines. Courteous attention will be afforded any enquiry, large or small. Your inspection is cordially invited. Send your requirements to RUDDUCK & CO., 219 Old Street, London, E.C.1.

**SECONDHAND FITTINGS**—Complete set of mahogany fittings including Shop Rounds, Mortars and Carboys. All at one quarter to-day's price. Can be seen at, or full particulars from, PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. Phone, Clerkenwell 4111/2. "Pharmacy Fitters for over a Century."

**WANTED** for Cash, Chemists' Stocks, also Surplus Goods and Manufacturers' discontinued lines of every description. Bargains Unlimited, 278 Dalston Lane, Hackney, E.8.

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**£2—COMPLETE CHEMIST FITTINGS** at any price you wish to pay. We have erected in our showrooms a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting, Signs and Modern Interior Fittings. Apply for Lists, D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

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2d. per word, minimum 2s. (Box No., 1s. extra.)

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